

SEQUENCE LISTING

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<120> METHODS AND COMPOSITIONS FOR TREATING
 CERVICAL CANCER

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Asn	Gly	Trp	Asp	Met	Thr	Met	Val	Thr	His	Asp	Gln	Ala	Arg	Lys	Arg
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Leu	Thr	Lys	Arg	Ser	Glu	Glu	Val	Val	Arg	Leu	Leu	Val	Thr	Arg	Gln
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Ile	Asp	Gln	Asp	Pro	Ser	Gln	Asn	Pro	Phe	Ser	Glu	Asp	Lys	Thr	Asp
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	50					55					60				
Gly	Ile	Pro	Ile	Lys	Gly	Leu	Thr	Phe	Gln	Glu	Ala	Ile	His	Thr	Phe
65				70					75						80
Lys	Gln	Ile	Arg	Ser	Gly	Leu	Phe	Val	Leu	Thr	Val	Arg	Thr	Lys	Leu
			85						90					95	
Val	Ser	Pro	Ser	Leu	Thr	Asn	Ser	Ser							
			100					105							

<210> 103
 <211> 132
 <212> PRT
 <213> Homo sapiens

Gly	Ile	Ser	Ser	Leu	Gly	Arg	Lys	Thr	Pro	Gly	Pro	Lys	Asp	Arg	Ile
1				5					10					15	
Val	Met	Glu	Val	Thr	Leu	Asn	Lys	Glu	Pro	Arg	Val	Gly	Leu	Gly	Ile
			20					25					30		
Gly	Ala	Cys	Cys	Leu	Ala	Leu	Glu	Asn	Ser	Pro	Pro	Gly	Ile	Tyr	Ile
	35						40					45			
His	Ser	Leu	Ala	Pro	Gly	Ser	Val	Ala	Lys	Met	Glu	Ser	Asn	Leu	Ser
	50					55					60				
Arg	Gly	Asp	Gln	Ile	Leu	Glu	Val	Asn	Ser	Val	Asn	Val	Arg	His	Ala
65				70					75						80
Ala	Leu	Ser	Lys	Val	His	Ala	Ile	Leu	Ser	Lys	Cys	Pro	Pro	Gly	Pro
			85						90					95	
Val	Arg	Leu	Val	Ile	Gly	Arg	His	Pro	Asn	Pro	Lys	Val	Ser	Glu	Gln
			100					105					110		
Glu	Met	Asp	Glu	Val	Ile	Ala	Arg	Ser	Thr	Tyr	Gln	Glu	Ser	Lys	Glu
		115					120					125			
Ala	Asn	Ser	Ser												
			130												

<210> 104
 <211> 105
 <212> PRT
 <213> Homo sapiens

Gln	Ser	Glu	Asn	Glu	Glu	Asp	Val	Cys	Phe	Ile	Val	Leu	Asn	Arg	Lys
1				5					10					15	
Glu	Gly	Ser	Gly	Leu	Gly	Phe	Ser	Val	Ala	Gly	Gly	Thr	Asp	Val	Glu
			20					25					30		
Pro	Lys	Ser	Ile	Thr	Val	His	Arg	Val	Phe	Ser	Gln	Gly	Ala	Ala	Ser
	35						40					45			
Gln	Glu	Gly	Thr	Met	Asn	Arg	Gly	Asp	Phe	Leu	Leu	Ser	Val	Asn	Gly
	50					55					60				
Ala	Ser	Leu	Ala	Gly	Leu	Ala	His	Gly	Asn	Val	Leu	Lys	Val	Leu	His
65				70					75						80
Gln	Ala	Gln	Leu	His	Lys	Asp	Ala	Leu	Val	Val	Ile	Lys	Lys	Gly	Met
			85						90					95	
Asp	Gln	Pro	Arg	Pro	Ser	Asn	Ser	Ser							
			100					105							

<210> 105
 <211> 101

<212> PRT
<213> Homo sapiens

<400> 105
Leu Gly Arg Ser Val Ala Val His Asp Ala Leu Cys Val Glu Val Leu
1 5 10 15
Lys Thr Ser Ala Gly Leu Gly Leu Ser Leu Asp Gly Gly Lys Ser Ser
20 25 30
Val Thr Gly Asp Gly Pro Leu Val Ile Lys Arg Val Tyr Lys Gly Gly
35 40 45
Ala Ala Glu Gln Ala Gly Ile Ile Glu Ala Gly Asp Glu Ile Leu Ala
50 55 60
Ile Asn Gly Lys Pro Leu Val Gly Leu Met His Phe Asp Ala Trp Asn
65 70 75 80
Ile Met Lys Ser Val Pro Glu Gly Pro Val Gln Leu Leu Ile Arg Lys
85 90 95
His Arg Asn Ser Ser
100

<210> 106
<211> 74
<212> PRT
<213> Homo sapiens

<400> 106
Gln Thr Val Ile Leu Pro Gly Pro Ala Ala Trp Gly Phe Arg Leu Ser
1 5 10 15
Gly Gly Ile Asp Phe Asn Gln Pro Leu Val Ile Thr Arg Ile Thr Pro
20 25 30
Gly Ser Lys Ala Ala Ala Ala Asn Leu Cys Pro Gly Asp Val Ile Leu
35 40 45
Ala Ile Asp Gly Phe Gly Thr Glu Ser Met Thr His Ala Asp Gly Gln
50 55 60
Asp Arg Ile Lys Ala Ala Glu Phe Ile Val
65 70

<210> 107
<211> 85
<212> PRT
<213> Homo sapiens

<400> 107
Ile Leu Val Glu Val Gln Leu Ser Gly Gly Ala Pro Trp Gly Phe Thr
1 5 10 15
Leu Lys Gly Gly Arg Glu His Gly Glu Pro Leu Val Ile Thr Lys Ile
20 25 30
Glu Glu Gly Ser Lys Ala Ala Ala Val Asp Lys Leu Leu Ala Gly Asp
35 40 45
Glu Ile Val Gly Ile Asn Asp Ile Gly Leu Ser Gly Phe Arg Gln Glu
50 55 60
Ala Ile Cys Leu Val Lys Gly Ser His Lys Thr Leu Lys Leu Val Val
65 70 75 80
Lys Arg Asn Ser Ser
85

<210> 108
<211> 104
<212> PRT
<213> Homo sapiens

<400> 108
 Arg Glu Lys Pro Leu Phe Thr Arg Asp Ala Ser Gln Leu Lys Gly Thr
 1 5 10 15
 Phe Leu Ser Thr Leu Lys Lys Ser Asn Met Gly Phe Gly Phe Thr
 20 25 30
 Ile Ile Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Val Lys Ser Val
 35 40 45
 Ile Pro Asp Gly Pro Ala Ala Gln Asp Gly Lys Met Glu Thr Gly Asp
 50 55 60
 Val Ile Val Tyr Ile Asn Glu Val Cys Val Leu Gly His Thr His Ala
 65 70 75 80
 Asp Val Val Lys Leu Phe Gln Ser Val Pro Ile Gly Gln Ser Val Asn
 85 90 95
 Leu Val Leu Cys Arg Gly Tyr Pro
 100

<210> 109
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 109
 Leu Ser Gly Ala Thr Gln Ala Glu Leu Met Thr Leu Thr Ile Val Lys
 1 5 10 15
 Gly Ala Gln Gly Phe Gly Phe Thr Ile Ala Asp Ser Pro Thr Gly Gln
 20 25 30
 Arg Val Lys Gln Ile Leu Asp Ile Gln Gly Cys Pro Gly Leu Cys Glu
 35 40 45
 Gly Asp Leu Ile Val Glu Ile Asn Gln Gln Asn Val Gln Asn Leu Ser
 50 55 60
 His Thr Glu Val Val Asp Ile Leu Lys Asp Cys Pro Ile Gly Ser Glu
 65 70 75 80
 Thr Ser Leu Ile Ile His Arg Gly Gly Phe Phe
 85 90

<210> 110
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 110
 His Tyr Lys Glu Leu Asp Val His Leu Arg Arg Met Glu Ser Gly Phe
 1 5 10 15
 Gly Phe Arg Ile Leu Gly Gly Asp Glu Pro Gly Gln Pro Ile Leu Ile
 20 25 30
 Gly Ala Val Ile Ala Met Gly Ser Ala Asp Arg Asp Gly Arg Leu His
 35 40 45
 Pro Gly Asp Glu Leu Val Tyr Val Asp Gly Ile Pro Val Ala Gly Lys
 50 55 60
 Thr His Arg Tyr Val Ile Asp Leu Met His His Ala Ala Arg Asn Gly
 65 70 75 80
 Gln Val Asn Leu Thr Val Arg Arg Lys Val Leu Cys Gly
 85 90

<210> 111
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 111

Glu Gly Arg Gly Ile Ser Ser His Ser Leu Gln Thr Ser Asp Ala Val
1 5 10 15
Ile His Arg Lys Glu Asn Glu Gly Phe Gly Phe Val Ile Ile Ser Ser
20 25 30
Leu Asn Arg Pro Glu Ser Gly Ser Thr Ile Thr Val Pro His Lys Ile
35 40 45
Gly Arg Ile Ile Asp Gly Ser Pro Ala Asp Arg Cys Ala Lys Leu Lys
50 55 60
Val Gly Asp Arg Ile Leu Ala Val Asn Gly Gln Ser Ile Ile Asn Met
65 70 75 80
Pro His Ala Asp Ile Val Lys Leu Ile Lys Asp Ala Gly Leu Ser Val
85 90 95
Thr Leu Arg Ile Ile Pro Gln Glu Glu Leu
100 105

<210> 112

<211> 98

<212> PRT

<213> Homo sapiens

<400> 112

Leu Ser Asp Tyr Arg Gln Pro Gln Asp Phe Asp Tyr Phe Thr Val Asp
1 5 10 15
Met Glu Lys Gly Ala Lys Gly Phe Gly Phe Ser Ile Arg Gly Gly Arg
20 25 30
Glu Tyr Lys Met Asp Leu Tyr Val Leu Arg Leu Ala Glu Asp Gly Pro
35 40 45
Ala Ile Arg Asn Gly Arg Met Arg Val Gly Asp Gln Ile Ile Glu Ile
50 55 60
Asn Gly Glu Ser Thr Arg Asp Met Thr His Ala Arg Ala Ile Glu Leu
65 70 75 80
Ile Lys Ser Gly Gly Arg Arg Val Arg Leu Leu Leu Lys Arg Gly Thr
85 90 95
Gly Gln

<210> 113

<211> 90

<212> PRT

<213> Homo sapiens

<400> 113

His Glu Ser Val Ile Gly Arg Asn Pro Glu Gly Gln Leu Gly Phe Glu
1 5 10 15
Leu Lys Gly Gly Ala Glu Asn Gly Gln Phe Pro Tyr Leu Gly Glu Val
20 25 30
Lys Pro Gly Lys Val Ala Tyr Glu Ser Gly Ser Lys Leu Val Ser Glu
35 40 45
Glu Leu Leu Leu Glu Val Asn Glu Thr Pro Val Ala Gly Leu Thr Ile
50 55 60
Arg Asp Val Leu Ala Val Ile Lys His Cys Lys Asp Pro Leu Arg Leu
65 70 75 80
Lys Cys Val Lys Gln Gly Gly Ile His Arg
85 90

<210> 114

<211> 126

<212> PRT
 <213> Homo sapiens

<400> 114
 Asn Leu Met Phe Arg Lys Phe Ser Leu Glu Arg Pro Phe Arg Pro Ser
 1 5 10 15
 Val Thr Ser Val Gly His Val Arg Gly Pro Gly Pro Ser Val Gln His
 20 25 30
 Thr Thr Leu Asn Gly Asp Ser Leu Thr Ser Gln Leu Thr Leu Leu Gly
 35 40 45
 Gly Asn Ala Arg Gly Ser Phe Val His Ser Val Lys Pro Gly Ser Leu
 50 55 60
 Ala Glu Lys Ala Gly Leu Arg Glu Gly His Gln Leu Leu Leu Leu Glu
 65 70 75 80
 Gly Cys Ile Arg Gly Glu Arg Gln Ser Val Pro Leu Asp Thr Cys Thr
 85 90 95
 Lys Glu Glu Ala His Trp Thr Ile Gln Arg Cys Ser Gly Pro Val Thr
 100 105 110
 Leu His Tyr Lys Val Asn His Glu Gly Tyr Arg Lys Leu Val
 115 120 125

<210> 115
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 115
 Ile Leu Ser Gln Val Thr Met Leu Ala Phe Gln Gly Asp Ala Leu Leu
 1 5 10 15
 Glu Gln Ile Ser Val Ile Gly Gly Asn Leu Thr Gly Ile Phe Ile His
 20 25 30
 Arg Val Thr Pro Gly Ser Ala Ala Asp Gln Met Ala Leu Arg Pro Gly
 35 40 45
 Thr Gln Ile Val Met Val Asp Tyr Glu Ala Ser Glu Pro Leu Phe Lys
 50 55 60
 Ala Val Leu Glu Asp Thr Thr Leu Glu Glu Ala Val Gly Leu Leu Arg
 65 70 75 80
 Arg Val Asp Gly Phe Cys Cys Leu Ser Val Lys Val Asn Thr Asp Gly
 85 90 95
 Tyr Lys Arg Leu
 100

<210> 116
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 116
 Thr Arg Val Arg Leu Val Gln Phe Gln Lys Asn Thr Asp Glu Pro Met
 1 5 10 15
 Gly Ile Thr Leu Lys Met Asn Glu Leu Asn His Cys Ile Val Ala Arg
 20 25 30
 Ile Met His Gly Gly Met Ile His Arg Gln Gly Thr Leu His Val Gly
 35 40 45
 Asp Glu Ile Arg Glu Ile Asn Gly Ile Ser Val Ala Asn Gln Thr Val
 50 55 60
 Glu Gln Leu Gln Lys Met Leu Arg Glu Met Arg Gly Ser Ile Thr Phe
 65 70 75 80
 Lys Ile Val Pro Ser Tyr Arg Thr Gln Ser
 85 90

<210> 117
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 117
 Leu Glu Gln Lys Ala Val Leu Glu Gln Val Gln Leu Asp Ser Pro Leu
 1 5 10 15
 Gly Leu Glu Ile His Thr Thr Ser Asn Cys Gln His Phe Val Ser Gln
 20 25 30
 Val Asp Thr Gln Val Pro Thr Asp Ser Arg Leu Gln Ile Gln Pro Gly
 35 40 45
 Asp Glu Val Val Gln Ile Asn Glu Gln Val Val Val Gly Trp Pro Arg
 50 55 60
 Lys Asn Met Val Arg Glu Leu Leu Arg Glu Pro Ala Gly Leu Ser Leu
 65 70 75 80
 Val Leu Lys Lys Ile Pro Ile Pro
 85

<210> 118
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 118
 Gln Arg Lys Leu Val Thr Val Glu Lys Gln Asp Asn Glu Thr Phe Gly
 1 5 10 15
 Phe Glu Ile Gln Ser Tyr Arg Pro Gln Asn Gln Asn Ala Cys Ser Ser
 20 25 30
 Glu Met Phe Thr Leu Ile Cys Lys Ile Gln Glu Asp Ser Pro Ala His
 35 40 45
 Cys Ala Gly Leu Gln Ala Gly Asp Val Leu Ala Asn Ile Asn Gly Val
 50 55 60
 Ser Thr Glu Gly Phe Thr Tyr Lys Gln Val Val Asp Leu Ile Arg Ser
 65 70 75 80
 Ser Gly Asn Leu Leu Thr Ile Glu Thr Leu Asn Gly
 85 90

<210> 119
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 119
 Arg Cys Leu Ile Gln Thr Lys Gly Gln Arg Ser Met Asp Gly Tyr Pro
 1 5 10 15
 Glu Gln Phe Cys Val Arg Ile Glu Lys Asn Pro Gly Leu Gly Phe Ser
 20 25 30
 Ile Ser Gly Gly Ile Ser Gly Gln Gly Asn Pro Phe Lys Pro Ser Asp
 35 40 45
 Lys Gly Ile Phe Val Thr Arg Val Gln Pro Asp Gly Pro Ala Ser Asn
 50 55 60
 Leu Leu Gln Pro Gly Asp Lys Ile Leu Gln Ala Asn Gly His Ser Phe
 65 70 75 80
 Val His Met Glu His Glu Lys Ala Val Leu Leu Leu Lys Ser Phe Gln
 85 90 95
 Asn Thr Val Asp Leu Val Ile Gln Arg Glu Leu Thr Val
 100 105

<210> 120
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 120
 Ile Gln Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu Ile Thr
 1 5 10 15
 Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly Thr
 20 25 30
 Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr Lys Ile
 35 40 45
 Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn Asp
 50 55 60
 Cys Ile Leu Gln Val Asn Glu Val Asp Val Arg Asp Val Thr His Ser
 65 70 75 80
 Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu Tyr
 85 90 95
 Val Lys Arg Arg Asn
 100

<210> 121
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 121
 Ile Gln Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly
 1 5 10 15
 Gly Val Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr
 20 25 30
 Lys Ile Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile
 35 40 45
 Gly Asp Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr
 50 55 60
 His Glu Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr
 65 70 75 80
 Leu Lys Val Ala Lys Pro Thr Ser Met Tyr Met Asn Asp Gly Asn
 85 90 95

<210> 122
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 122
 Ile Leu His Arg Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly
 1 5 10 15
 Glu Asp Gly Glu Gly Ile Phe Ile Ser Phe Ile Leu Ala Gly Gly Pro
 20 25 30
 Ala Asp Leu Ser Gly Glu Leu Arg Lys Gly Asp Arg Ile Ile Ser Val
 35 40 45
 Asn Ser Val Asp Leu Arg Ala Ala Ser His Glu Gln Ala Ala Ala Ala
 50 55 60
 Leu Lys Asn Ala Gly Gln Ala Val Thr Ile Val Ala Gln Tyr Arg Pro
 65 70 75 80
 Glu Glu Tyr Ser Arg
 85

<210> 123
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 123
 Ile Ser Tyr Val Asn Gly Thr Glu Ile Glu Tyr Glu Phe Glu Glu Ile
 1 5 10 15
 Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly
 20 25 30
 Thr Asp Asn Pro His Ile Gly Asp Asp Pro Gly Ile Phe Ile Thr Lys
 35 40 45
 Ile Ile Pro Gly Gly Ala Ala Ala Glu Asp Gly Arg Leu Arg Val Asn
 50 55 60
 Asp Cys Ile Leu Arg Val Asn Glu Val Asp Val Ser Glu Val Ser His
 65 70 75 80
 Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu
 85 90 95
 Tyr Val Arg Arg Arg
 100

<210> 124
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 124
 Ile Ser Val Val Glu Ile Lys Leu Phe Lys Gly Pro Lys Gly Leu Gly
 1 5 10 15
 Phe Ser Ile Ala Gly Gly Val Gly Asn Gln His Ile Pro Gly Asp Asn
 20 25 30
 Ser Ile Tyr Val Thr Lys Ile Ile Asp Gly Gly Ala Ala Gln Lys Asp
 35 40 45
 Gly Arg Leu Gln Val Gly Asp Arg Leu Leu Met Val Asn Asn Tyr Ser
 50 55 60
 Leu Glu Glu Val Thr His Glu Glu Ala Val Ala Ile Leu Lys Asn Thr
 65 70 75 80
 Ser Glu Val Val Tyr Leu Lys Val Gly Asn Pro Thr Thr Ile
 85 90

<210> 125
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 125
 Ile Trp Ala Val Ser Leu Glu Gly Glu Pro Arg Lys Val Val Leu His
 1 5 10 15
 Lys Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly Glu Asp Gly
 20 25 30
 Glu Gly Ile Phe Val Ser Phe Ile Leu Ala Gly Gly Pro Ala Asp Leu
 35 40 45
 Ser Gly Glu Leu Gln Arg Gly Asp Gln Ile Leu Ser Val Asn Gly Ile
 50 55 60
 Asp Leu Arg Gly Ala Ser His Glu Gln Ala Ala Ala Leu Lys Gly
 65 70 75 80
 Ala Gly Gln Thr Val Thr Ile Ile Ala Gln Tyr Gln Pro Glu Asp
 85 90 95

<210> 126
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 126
 Gly Ile Pro Tyr Val Glu Glu Pro Arg His Val Lys Val Gln Lys Gly
 1 5 10 15
 Ser Glu Pro Leu Gly Ile Ser Ile Val Ser Gly Glu Lys Gly Gly Ile
 20 25 30
 Tyr Val Ser Lys Val Thr Val Gly Ser Ile Ala His Gln Ala Gly Leu
 35 40 45
 Glu Tyr Gly Asp Gln Leu Leu Glu Phe Asn Gly Ile Asn Leu Arg Ser
 50 55 60
 Ala Thr Glu Gln Gln Ala Arg Leu Ile Ile Gly Gln Gln Cys Asp Thr
 65 70 75 80
 Ile Thr Ile Leu Ala Gln Tyr Asn Pro His Val His Gln Leu Arg Asn
 85 90 95
 Ser Ser Glx Leu Thr Asp
 100

<210> 127
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 127
 Gly Ile Leu Ala Gly Asp Ala Asn Lys Lys Thr Leu Glu Pro Arg Val
 1 5 10 15
 Val Phe Ile Lys Lys Ser Gln Leu Glu Leu Gly Val His Leu Cys Gly
 20 25 30
 Gly Asn Leu His Gly Val Phe Val Ala Glu Val Glu Asp Asp Ser Pro
 35 40 45
 Ala Lys Gly Pro Asp Gly Leu Val Pro Gly Asp Leu Ile Leu Glu Tyr
 50 55 60
 Gly Ser Leu Asp Val Arg Asn Lys Thr Val Glu Val Tyr Val Glu
 65 70 75 80
 Met Leu Lys Pro Arg Asp Gly Val Arg Leu Lys Val Gln Tyr Arg Pro
 85 90 95
 Glu Glu Phe Ile Val Thr Asp
 100

<210> 128
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 128
 Pro Thr Ser Pro Glu Ile Gln Glu Leu Arg Gln Met Leu Gln Ala Pro
 1 5 10 15
 His Phe Lys Ala Leu Leu Ser Ala His Asp Thr Ile Ala Gln Lys Asp
 20 25 30
 Phe Glu Pro Leu Leu Pro Pro Leu Pro Asp Asn Ile Pro Glu Ser Glu
 35 40 45
 Glu Ala Met Arg Ile Val Cys Leu Val Lys Asn Gln Gln Pro Leu Gly
 50 55 60
 Ala Thr Ile Lys Arg His Glu Met Thr Gly Asp Ile Leu Val Ala Arg
 65 70 75 80

Ile	Ile	His	Gly	Gly	Leu	Ala	Glu	Arg	Ser	Gly	Leu	Leu	Tyr	Ala	Gly
			85						90					95	
Asp	Lys	Leu	Val	Glu	Val	Asn	Gly	Val	Ser	Val	Glu	Gly	Leu	Asp	Pro
			100					105					110		
Glu	Gln	Val	Ile	His	Ile	Leu	Ala	Met	Ser	Arg	Gly	Thr	Ile	Met	Phe
		115					120					125			
Lys	Val	Val	Pro	Val	Ser	Asp	Pro	Pro	Val	Asn	Ser	Ser			
	130					135					140				

<210> 129
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 129

Pro	Thr	Ser	Pro	Glu	Ile	Gln	Glu	Leu	Arg	Gln	Met	Leu	Gln	Ala	Pro
1				5					10					15	
His	Phe	Lys	Gly	Ala	Thr	Ile	Lys	Arg	His	Glu	Met	Thr	Gly	Asp	Ile
			20					25					30		
Leu	Val	Ala	Arg	Ile	Ile	His	Gly	Gly	Leu	Ala	Glu	Arg	Ser	Gly	Leu
		35					40					45			
Leu	Tyr	Ala	Gly	Asp	Lys	Leu	Val	Glu	Val	Asn	Gly	Val	Ser	Val	Glu
	50					55					60				
Gly	Leu	Asp	Pro	Glu	Gln	Val	Ile	His	Ile	Leu	Ala	Met	Ser	Arg	Gly
65					70					75					80
Thr	Ile	Met	Phe	Lys	Val	Val	Pro	Val	Ser	Asp	Pro	Pro	Val	Asn	Ser
				85					90					95	

Ser

<210> 130
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 130

Leu	Asn	Ile	Val	Thr	Val	Thr	Leu	Asn	Met	Glu	Arg	His	His	Phe	Leu
1				5					10					15	
Gly	Ile	Ser	Ile	Val	Gly	Gln	Ser	Asn	Asp	Arg	Gly	Asp	Gly	Gly	Ile
			20					25					30		
Tyr	Ile	Gly	Ser	Ile	Met	Lys	Gly	Gly	Ala	Val	Ala	Ala	Asp	Gly	Arg
		35					40					45			
Ile	Glu	Pro	Gly	Asp	Met	Leu	Leu	Gln	Val	Asn	Asp	Val	Asn	Phe	Glu
	50					55					60				
Asn	Met	Ser	Asn	Asp	Asp	Ala	Val	Arg	Val	Leu	Arg	Glu	Ile	Val	Ser
65					70					75					80
Gln	Thr	Gly	Pro	Ile	Ser	Leu	Thr	Val	Ala	Lys	Cys	Trp			
				85					90						

<210> 131
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 131

Leu	Asn	Ile	Ile	Thr	Val	Thr	Leu	Asn	Met	Glu	Lys	Tyr	Asn	Phe	Leu
1				5					10					15	
Gly	Ile	Ser	Ile	Val	Gly	Gln	Ser	Asn	Glu	Arg	Gly	Asp	Gly	Gly	Ile
			20					25					30		

Tyr Ile Gly Ser Ile Met Lys Gly Gly Ala Val Ala Ala Asp Gly Arg
 35 40 45
 Ile Glu Pro Gly Asp Met Leu Leu Gln Val Asn Asp Met Asn Phe Glu
 50 55 60
 Asn Met Ser Asn Asp Asp Ala Val Arg Val Leu Arg Asp Ile Val His
 65 70 75 80
 Lys Pro Gly Pro Ile Val Leu Thr Val Ala Lys Cys Trp Asp Pro Ser
 85 90 95
 Pro Gln Asn Ser
 100

<210> 132
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 132
 Ile Ile Thr Val Thr Leu Asn Met Glu Lys Tyr Asn Phe Leu Gly Ile
 1 5 10 15
 Ser Ile Val Gly Gln Ser Asn Glu Arg Gly Asp Gly Gly Ile Tyr Ile
 20 25 30
 Gly Ser Ile Met Lys Gly Gly Ala Val Ala Ala Asp Gly Arg Ile Glu
 35 40 45
 Pro Gly Asp Met Leu Leu Gln Val Asn Glu Ile Asn Phe Glu Asn Met
 50 55 60
 Ser Asn Asp Asp Ala Val Arg Val Leu Arg Glu Ile Val His Lys Pro
 65 70 75 80
 Gly Pro Ile Thr Leu Thr Val Ala Lys Cys Trp Asp Pro Ser Pro
 85 90 95

<210> 133
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 133
 Thr Thr Gln Gln Ile Asp Leu Gln Gly Pro Gly Pro Trp Gly Phe Arg
 1 5 10 15
 Leu Val Gly Arg Lys Asp Phe Glu Gln Pro Leu Ala Ile Ser Arg Val
 20 25 30
 Thr Pro Gly Ser Lys Ala Ala Leu Ala Asn Leu Cys Ile Gly Asp Val
 35 40 45
 Ile Thr Ala Ile Asp Gly Glu Asn Thr Ser Asn Met Thr His Leu Glu
 50 55 60
 Ala Gln Asn Arg Ile Lys Gly Cys Thr Asp Asn Leu Thr Leu Thr Val
 65 70 75 80
 Ala Arg Ser Glu His Lys Val Trp Ser Pro Leu Val
 85 90

<210> 134
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 134
 Ile Phe Met Asp Ser Phe Lys Val Val Leu Glu Gly Pro Ala Pro Trp
 1 5 10 15
 Gly Phe Arg Leu Gln Gly Gly Lys Asp Phe Asn Val Pro Leu Ser Ile
 20 25 30

Ser Arg Leu Thr Pro Gly Gly Lys Ala Ala Gln Ala Gly Val Ala Val
35 40 45
Gly Asp Trp Val Leu Ser Ile Asp Gly Glu Asn Ala Gly Ser Leu Thr
50 55 60
His Ile Glu Ala Gln Asn Lys Ile Arg Ala Cys Gly Glu Arg Leu Ser
65 70 75 80
Leu Gly Leu Ser Arg Ala Gln Pro Val
85

<210> 135
<211> 100
<212> PRT
<213> Homo sapiens

<400> 135
Gln Gly His Glu Leu Ala Lys Gln Glu Ile Arg Val Arg Val Glu Lys
1 5 10 15
Asp Pro Glu Leu Gly Phe Ser Ile Ser Gly Gly Val Gly Gly Arg Gly
20 25 30
Asn Pro Phe Arg Pro Asp Asp Asp Gly Ile Phe Val Thr Arg Val Gln
35 40 45
Pro Glu Gly Pro Ala Ser Lys Leu Leu Gln Pro Gly Asp Lys Ile Ile
50 55 60
Gln Ala Asn Gly Tyr Ser Phe Ile Asn Ile Glu His Gly Gln Ala Val
65 70 75 80
Ser Leu Leu Lys Thr Phe Gln Asn Thr Val Glu Leu Ile Ile Val Arg
85 90 95
Glu Val Ser Ser
100

<210> 136
<211> 87
<212> PRT
<213> Homo sapiens

<400> 136
Ile Leu Cys Cys Leu Glu Lys Gly Pro Asn Gly Tyr Gly Phe His Leu
1 5 10 15
His Gly Glu Lys Gly Lys Leu Gly Gln Tyr Ile Arg Leu Val Glu Pro
20 25 30
Gly Ser Pro Ala Glu Lys Ala Gly Leu Leu Ala Gly Asp Arg Leu Val
35 40 45
Glu Val Asn Gly Glu Asn Val Glu Lys Glu Thr His Gln Gln Val Val
50 55 60
Ser Arg Ile Arg Ala Ala Leu Asn Ala Val Arg Leu Leu Val Val Asp
65 70 75 80
Pro Glu Phe Ile Val Thr Asp
85

<210> 137
<211> 92
<212> PRT
<213> Homo sapiens

<400> 137
Ile Arg Leu Cys Thr Met Lys Lys Gly Pro Ser Gly Tyr Gly Phe Asn
1 5 10 15
Leu His Ser Asp Lys Ser Lys Pro Gly Gln Phe Ile Arg Ser Val Asp
20 25 30

Pro	Asp	Ser	Pro	Ala	Glu	Ala	Ser	Gly	Leu	Arg	Ala	Gln	Asp	Arg	Ile
	35						40					45			
Val	Glu	Val	Asn	Gly	Val	Cys	Met	Glu	Gly	Lys	Gln	His	Gly	Asp	Val
	50					55					60				
Val	Ser	Ala	Ile	Arg	Ala	Gly	Gly	Asp	Glu	Thr	Lys	Leu	Leu	Val	Val
65					70					75					80
Asp	Arg	Glu	Thr	Asp	Glu	Phe	Phe	Met	Asn	Ser	Ser				
				85					90						

<210> 138
 <211> 107
 <212> PRT
 <213> Homo sapiens

Lys	Asn	Pro	Ser	Gly	Glu	Leu	Lys	Thr	Val	Thr	Leu	Ser	Lys	Met	Lys
1				5					10					15	
Gln	Ser	Leu	Gly	Ile	Ser	Ile	Ser	Gly	Gly	Ile	Glu	Ser	Lys	Val	Gln
		20						25					30		
Pro	Met	Val	Lys	Ile	Glu	Lys	Ile	Phe	Pro	Gly	Gly	Ala	Ala	Phe	Leu
	35					40						45			
Ser	Gly	Ala	Leu	Gln	Ala	Gly	Phe	Glu	Leu	Val	Ala	Val	Asp	Gly	Glu
	50					55					60				
Asn	Leu	Glu	Gln	Val	Thr	His	Gln	Arg	Ala	Val	Asp	Thr	Ile	Arg	Arg
65					70					75					80
Ala	Tyr	Arg	Asn	Lys	Ala	Arg	Glu	Pro	Met	Glu	Leu	Val	Val	Arg	Val
			85						90					95	
Pro	Gly	Pro	Ser	Pro	Arg	Pro	Ser	Pro	Ser	Asp					
			100					105							

<210> 139
 <211> 97
 <212> PRT
 <213> Homo sapiens

Glu	Gly	His	Ser	His	Pro	Arg	Val	Val	Glu	Leu	Pro	Lys	Thr	Glu	Glu
1				5					10					15	
Gly	Leu	Gly	Phe	Asn	Ile	Met	Gly	Gly	Lys	Glu	Gln	Asn	Ser	Pro	Ile
		20						25					30		
Tyr	Ile	Ser	Arg	Ile	Ile	Pro	Gly	Gly	Ile	Ala	Asp	Arg	His	Gly	Gly
		35					40					45			
Leu	Lys	Arg	Gly	Asp	Gln	Leu	Leu	Ser	Val	Asn	Gly	Val	Ser	Val	Glu
	50					55					60				
Gly	Glu	His	His	Glu	Lys	Ala	Val	Glu	Leu	Leu	Lys	Ala	Ala	Gln	Gly
65					70					75					80
Lys	Val	Lys	Leu	Val	Val	Arg	Tyr	Thr	Pro	Lys	Val	Leu	Glu	Glu	Met
				85					90					95	
Glu															

<210> 140
 <211> 88
 <212> PRT
 <213> Homo sapiens

Pro	Gly	Ala	Pro	Tyr	Ala	Arg	Lys	Thr	Phe	Thr	Ile	Val	Gly	Asp	Ala
1				5					10					15	

Val	Gly	Trp	Gly	Phe	Val	Val	Arg	Gly	Ser	Lys	Pro	Cys	His	Ile	Gln
			20					25					30		
Ala	Val	Asp	Pro	Ser	Gly	Pro	Ala	Ala	Ala	Gly	Met	Lys	Val	Cys	
		35					40				45				
Gln	Phe	Val	Val	Ser	Val	Asn	Gly	Leu	Asn	Val	Leu	His	Val	Asp	Tyr
	50					55					60				
Arg	Thr	Val	Ser	Asn	Leu	Ile	Leu	Thr	Gly	Pro	Arg	Thr	Ile	Val	Met
65					70					75					80
Glu	Val	Met	Glu	Glu	Leu	Glu	Cys								
					85										

<210> 141
 <211> 97
 <212> PRT
 <213> Homo sapiens

Gly	Gln	Tyr	Gly	Gly	Glu	Thr	Val	Lys	Ile	Val	Arg	Ile	Glu	Lys	Ala
1				5					10					15	
Arg	Asp	Ile	Pro	Leu	Gly	Ala	Thr	Val	Arg	Asn	Glu	Met	Asp	Ser	Val
			20					25					30		
Ile	Ile	Ser	Arg	Ile	Val	Lys	Gly	Gly	Ala	Ala	Glu	Lys	Ser	Gly	Leu
		35					40					45			
Leu	His	Glu	Gly	Asp	Glu	Val	Leu	Glu	Ile	Asn	Gly	Ile	Glu	Ile	Arg
	50					55					60				
Gly	Lys	Asp	Val	Asn	Glu	Val	Phe	Asp	Leu	Leu	Ser	Asp	Met	His	Gly
65					70					75					80
Thr	Leu	Thr	Phe	Val	Leu	Ile	Pro	Ser	Gln	Gln	Ile	Lys	Pro	Pro	Pro
				85					90					95	
Ala															

<210> 142
 <211> 98
 <212> PRT
 <213> Homo sapiens

Ile	Leu	Ala	His	Val	Lys	Gly	Ile	Glu	Lys	Glu	Val	Asn	Val	Tyr	Lys
1				5					10					15	
Ser	Glu	Asp	Ser	Leu	Gly	Leu	Thr	Ile	Thr	Asp	Asn	Gly	Val	Gly	Tyr
			20					25					30		
Ala	Phe	Ile	Lys	Arg	Ile	Lys	Asp	Gly	Gly	Val	Ile	Asp	Ser	Val	Lys
		35					40					45			
Thr	Ile	Cys	Val	Gly	Asp	His	Ile	Glu	Ser	Ile	Asn	Gly	Glu	Asn	Ile
	50					55					60				
Val	Gly	Trp	Arg	His	Tyr	Asp	Val	Ala	Lys	Lys	Leu	Lys	Glu	Leu	Lys
65					70					75					80
Lys	Glu	Glu	Leu	Phe	Thr	Met	Lys	Leu	Ile	Glu	Pro	Lys	Lys	Ala	Phe
				85					90					95	
Glu	Ile														

<210> 143
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 143

Lys Pro Ser Gln Ala Ser Gly His Phe Ser Val Glu Leu Val Arg Gly
 1 5 10 15
 Tyr Ala Gly Phe Gly Leu Thr Leu Gly Gly Arg Asp Val Ala Gly
 20 25 30
 Asp Thr Pro Leu Ala Val Arg Gly Leu Leu Lys Asp Gly Pro Ala Gln
 35 40 45
 Arg Cys Gly Arg Leu Glu Val Gly Asp Leu Val Leu His Ile Asn Gly
 50 55 60
 Glu Ser Thr Gln Gly Leu Thr His Ala Gln Ala Val Glu Arg Ile Arg
 65 70 75 80
 Ala Gly Gly Pro Gln Leu His Leu Val Ile Arg Arg Pro Leu Glu Thr
 85 90 95
 His Pro Gly Lys Pro Arg Gly Val
 100

<210> 144
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 144
 Pro Val Met Ser Gln Cys Ala Cys Leu Glu Glu Val His Leu Pro Asn
 1 5 10 15
 Ile Lys Pro Gly Glu Gly Leu Gly Met Tyr Ile Lys Ser Thr Tyr Asp
 20 25 30
 Gly Leu His Val Ile Thr Gly Thr Thr Glu Asn Ser Pro Ala Asp Arg
 35 40 45
 Ser Gln Lys Ile His Ala Gly Asp Glu Val Ile Gln Val Asn Gln Gln
 50 55 60
 Thr Val Val Gly Trp Gln Leu Lys Asn Leu Val Lys Lys Leu Arg Glu
 65 70 75 80
 Asn Pro Thr Gly Val Val Leu Leu Leu Lys Lys Arg Pro Thr Gly Ser
 85 90 95
 Phe Asn Phe Thr Pro Glu Phe Ile Val Thr Asp
 100 105

<210> 145
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 145
 Leu Asp Asp Glu Glu Asp Ser Val Lys Ile Ile Arg Leu Val Lys Asn
 1 5 10 15
 Arg Glu Pro Leu Gly Ala Thr Ile Lys Lys Asp Glu Gln Thr Gly Ala
 20 25 30
 Ile Ile Val Ala Arg Ile Met Arg Gly Gly Ala Ala Asp Arg Ser Gly
 35 40 45
 Leu Ile His Val Gly Asp Glu Leu Arg Glu Val Asn Gly Ile Pro Val
 50 55 60
 Glu Asp Lys Arg Pro Glu Glu Ile Ile Gln Ile Leu Ala Gln Ser Gln
 65 70 75 80
 Gly Ala Ile Thr Phe Lys Ile Ile Pro Gly Ser Lys Glu Glu Thr Pro
 85 90 95
 Ser Asn Ser Ser
 100

<210> 146
 <211> 83

<212> PRT
 <213> Homo sapiens

<400> 146
 Val Val Glu Leu Met Lys Lys Glu Gly Thr Thr Leu Gly Leu Thr Val
 1 5 10 15
 Ser Gly Gly Ile Asp Lys Asp Gly Lys Pro Arg Val Ser Asn Leu Arg
 20 25 30
 Gln Gly Gly Ile Ala Ala Arg Ser Asp Gln Leu Asp Val Gly Asp Tyr
 35 40 45
 Ile Lys Ala Val Asn Gly Ile Asn Leu Ala Lys Phe Arg His Asp Glu
 50 55 60
 Ile Ile Ser Leu Leu Lys Asn Val Gly Glu Arg Val Val Leu Glu Val
 65 70 75 80
 Glu Tyr Glu

<210> 147
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 147
 Arg Ser Ser Val Ile Phe Arg Thr Val Glu Val Thr Leu His Lys Glu
 1 5 10 15
 Gly Asn Thr Phe Gly Phe Val Ile Arg Gly Gly Ala His Asp Asp Arg
 20 25 30
 Asn Lys Ser Arg Pro Val Val Ile Thr Cys Val Arg Pro Gly Gly Pro
 35 40 45
 Ala Asp Arg Glu Gly Thr Ile Lys Pro Gly Asp Arg Leu Leu Ser Val
 50 55 60
 Asp Gly Ile Arg Leu Leu Gly Thr Thr His Ala Glu Ala Met Ser Ile
 65 70 75 80
 Leu Lys Gln Cys Gly Gln Glu Ala Ala Leu Leu Ile Glu Tyr Asp Val
 85 90 95
 Ser Val Met Asp Ser Val Ala Thr Ala Ser Gly Asn Ser Ser
 100 105 110

<210> 148
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 148
 His Val Ala Thr Ala Ser Gly Pro Leu Leu Val Glu Val Ala Lys Thr
 1 5 10 15
 Pro Gly Ala Ser Leu Gly Val Ala Leu Thr Thr Ser Met Cys Cys Asn
 20 25 30
 Lys Gln Val Ile Val Ile Asp Lys Ile Lys Ser Ala Ser Ile Ala Asp
 35 40 45
 Arg Cys Gly Ala Leu His Val Gly Asp His Ile Leu Ser Ile Asp Gly
 50 55 60
 Thr Ser Met Glu Tyr Cys Thr Leu Ala Glu Ala Thr Gln Phe Leu Ala
 65 70 75 80
 Asn Thr Thr Asp Gln Val Lys Leu Glu Ile Leu Pro His His Gln Thr
 85 90 95
 Arg Leu Ala Leu Lys Gly Pro Asn Ser Ser
 100 105

<210> 149
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 149
 Thr Glu Thr Thr Glu Val Val Leu Thr Ala Asp Pro Val Thr Gly Phe
 1 5 10 15
 Gly Ile Gln Leu Gln Gly Ser Val Phe Ala Thr Glu Thr Leu Ser Ser
 20 25 30
 Pro Pro Leu Ile Ser Tyr Ile Glu Ala Asp Ser Pro Ala Glu Arg Cys
 35 40 45
 Gly Val Leu Gln Ile Gly Asp Arg Val Met Ala Ile Asn Gly Ile Pro
 50 55 60
 Thr Glu Asp Ser Thr Phe Glu Glu Ala Ser Gln Leu Leu Arg Asp Ser
 65 70 75 80
 Ser Ile Thr Ser Lys Val Thr Leu Glu Ile Glu Phe Asp Val Ala Glu
 85 90 95
 Ser

<210> 150
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 150
 Ala Glu Ser Val Ile Pro Ser Ser Gly Thr Phe His Val Lys Leu Pro
 1 5 10 15
 Lys Lys His Asn Val Glu Leu Gly Ile Thr Ile Ser Ser Pro Ser Ser
 20 25 30
 Arg Lys Pro Gly Asp Pro Leu Val Ile Ser Asp Ile Lys Lys Gly Ser
 35 40 45
 Val Ala His Arg Thr Gly Thr Leu Glu Leu Gly Asp Lys Leu Leu Ala
 50 55 60
 Ile Asp Asn Ile Arg Leu Asp Asn Cys Ser Met Glu Asp Ala Val Gln
 65 70 75 80
 Ile Leu Gln Gln Cys Glu Asp Leu Val Lys Leu Lys Ile Arg Lys Asp
 85 90 95
 Glu Asp Asn Ser Asp
 100

<210> 151
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 151
 Ile Tyr Thr Val Glu Leu Lys Arg Tyr Gly Gly Pro Leu Gly Ile Thr
 1 5 10 15
 Ile Ser Gly Thr Glu Glu Pro Phe Asp Pro Ile Ile Ile Ser Ser Leu
 20 25 30
 Thr Lys Gly Gly Leu Ala Glu Arg Thr Gly Ala Ile His Ile Gly Asp
 35 40 45
 Arg Ile Leu Ala Ile Asn Ser Ser Ser Leu Lys Gly Lys Pro Leu Ser
 50 55 60
 Glu Ala Ile His Leu Leu Gln Met Ala Gly Glu Thr Val Thr Leu Lys
 65 70 75 80
 Ile Lys Lys Gln Thr Asp Ala Gln Ser Ala
 85 90
 35

<210> 152
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 152
 Ile Met Ser Pro Thr Pro Val Glu Leu His Lys Val Thr Leu Tyr Lys
 1 5 10 15
 Asp Ser Asp Met Glu Asp Phe Gly Phe Ser Val Ala Asp Gly Leu Leu
 20 25 30
 Glu Lys Gly Val Tyr Val Lys Asn Ile Arg Pro Ala Gly Pro Gly Asp
 35 40 45
 Leu Gly Gly Leu Lys Pro Tyr Asp Arg Leu Leu Gln Val Asn His Val
 50 55 60
 Arg Thr Arg Asp Phe Asp Cys Cys Leu Val Val Pro Leu Ile Ala Glu
 65 70 75 80
 Ser Gly Asn Lys Leu Asp Leu Val Ile Ser Arg Asn Pro Leu Ala
 85 90 95

<210> 153
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 153
 Ser Arg Gly Cys Glu Thr Arg Glu Leu Ala Leu Pro Arg Asp Gly Gln
 1 5 10 15
 Gly Arg Leu Gly Phe Glu Val Asp Ala Glu Gly Phe Val Thr His Val
 20 25 30
 Glu Arg Phe Thr Phe Ala Glu Thr Ala Gly Leu Arg Pro Gly Ala Arg
 35 40 45
 Leu Leu Arg Val Cys Gly Gln Thr Leu Pro Ser Leu Arg Pro Glu Ala
 50 55 60
 Ala Ala Gln Leu Leu Arg Ser Ala Pro Lys Val Cys Val Thr Val Leu
 65 70 75 80
 Pro Pro Asp Glu Ser Gly Arg Pro
 85

<210> 154
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 154
 Ala Lys Ala Lys Trp Arg Gln Val Val Leu Gln Lys Ala Ser Arg Glu
 1 5 10 15
 Ser Pro Leu Gln Phe Ser Leu Asn Gly Gly Ser Glu Lys Gly Phe Gly
 20 25 30
 Ile Phe Val Glu Gly Val Glu Pro Gly Ser Lys Ala Ala Asp Ser Gly
 35 40 45
 Leu Lys Arg Gly Asp Gln Ile Met Glu Val Asn Gly Gln Asn Phe Glu
 50 55 60
 Asn Ile Thr Phe Met Lys Ala Val Glu Ile Leu Arg Asn Asn Thr His
 65 70 75 80
 Leu Ala Leu Thr Val Lys Thr Asn Ile Phe Val Phe Lys Glu Leu
 85 90 95

<210> 155
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 155
 Leu Glu Asn Val Ile Ala Lys Ser Leu Leu Ile Lys Ser Asn Glu Gly
 1 5 10 15
 Ser Tyr Gly Phe Gly Leu Glu Asp Lys Asn Lys Val Pro Ile Ile Lys
 20 25 30
 Leu Val Glu Lys Gly Ser Asn Ala Glu Met Ala Gly Met Glu Val Gly
 35 40 45
 Lys Lys Ile Phe Ala Ile Asn Gly Asp Leu Val Phe Met Arg Pro Phe
 50 55 60
 Asn Glu Val Asp Cys Phe Leu Lys Ser Cys Leu Asn Ser Arg Lys Pro
 65 70 75 80
 Leu Arg Val Leu Val Ser Thr Lys Pro
 85

<210> 156
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 156
 Pro Arg Glu Thr Val Lys Ile Pro Asp Ser Ala Asp Gly Leu Gly Phe
 1 5 10 15
 Gln Ile Arg Gly Phe Gly Pro Ser Val Val His Ala Val Gly Arg Gly
 20 25 30
 Thr Val Ala Ala Ala Ala Gly Leu His Pro Gly Gln Cys Ile Ile Lys
 35 40 45
 Val Asn Gly Ile Asn Val Ser Lys Glu Thr His Ala Ser Val Ile Ala
 50 55 60
 His Val Thr Ala Cys Arg Lys Tyr Arg Arg Pro Thr Lys Gln Asp Ser
 65 70 75 80
 Ile Gln

<210> 157
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 157
 Glu Asp Phe Cys Tyr Val Phe Thr Val Glu Leu Glu Arg Gly Pro Ser
 1 5 10 15
 Gly Leu Gly Met Gly Leu Ile Asp Gly Met His Thr His Leu Gly Ala
 20 25 30
 Pro Gly Leu Tyr Ile Gln Thr Leu Leu Pro Gly Ser Pro Ala Ala Ala
 35 40 45
 Asp Gly Arg Leu Ser Leu Gly Asp Arg Ile Leu Glu Val Asn Gly Ser
 50 55 60
 Ser Leu Leu Gly Leu Gly Tyr Leu Arg Ala Val Asp Leu Ile Arg His
 65 70 75 80
 Gly Gly Lys Lys Met Arg Phe Leu Val Ala Lys Ser Asp Val Glu Thr
 85 90 95
 Ala Lys Lys Ile
 100

<210> 158
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 158
 Leu Thr Glu Phe Gln Asp Lys Gln Ile Lys Asp Trp Lys Lys Arg Phe
 1 5 10 15
 Ile Gly Ile Arg Met Arg Thr Ile Thr Pro Ser Leu Val Asp Glu Leu
 20 25 30
 Lys Ala Ser Asn Pro Asp Phe Pro Glu Val Ser Ser Gly Ile Tyr Val
 35 40 45
 Gln Glu Val Ala Pro Asn Ser Pro Ser Gln Arg Gly Gly Ile Gln Asp
 50 55 60
 Gly Asp Ile Ile Val Lys Val Asn Gly Arg Pro Leu Val Asp Ser Ser
 65 70 75 80
 Glu Leu Gln Glu Ala Val Leu Thr Glu Ser Pro Leu Leu Leu Glu Val
 85 90 95
 Arg Arg Gly Asn Asp Asp Leu Leu Phe Ser Asn Ser Ser
 100 105

<210> 159
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 159
 His Lys Lys Tyr Leu Gly Leu Gln Met Leu Ser Leu Thr Val Pro Leu
 1 5 10 15
 Ser Glu Glu Leu Lys Met His Tyr Pro Asp Phe Pro Asp Val Ser Ser
 20 25 30
 Gly Val Tyr Val Cys Lys Val Val Glu Gly Thr Ala Ala Gln Ser Ser
 35 40 45
 Gly Leu Arg Asp His Asp Val Ile Val Asn Ile Asn Gly Lys Pro Ile
 50 55 60
 Thr Thr Thr Thr Asp Val Val Lys Ala Leu Asp Ser Asp Ser Leu Ser
 65 70 75 80
 Met Ala Val Leu Arg Gly Lys Asp Asn Leu Leu Leu Thr Val Asn Ser
 85 90 95
 Ser

<210> 160
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 160
 Ile Trp Gln Ile Glu Tyr Ile Asp Ile Glu Arg Pro Ser Thr Gly Gly
 1 5 10 15
 Leu Gly Phe Ser Val Val Ala Leu Arg Ser Gln Asn Leu Gly Lys Val
 20 25 30
 Asp Ile Phe Val Lys Asp Val Gln Pro Gly Ser Val Ala Asp Arg Asp
 35 40 45
 Gln Arg Leu Lys Glu Asn Asp Gln Ile Leu Ala Ile Asn His Thr Pro
 50 55 60
 Leu Asp Gln Asn Ile Ser His Gln Gln Ala Ile Ala Leu Leu Gln Gln
 65 70 75 80
 Thr Thr Gly Ser Leu Arg Leu Ile Val Ala Arg Glu Pro Val His Thr
 85 90 95

Lys Ser Ser Thr Ser Ser Ser Glu
100

<210> 161
<211> 78
<212> PRT
<213> Homo sapiens

<400> 161
Pro Gly His Val Glu Glu Val Glu Leu Ile Asn Asp Gly Ser Gly Leu
1 5 10 15
Gly Phe Gly Ile Val Gly Gly Lys Thr Ser Gly Val Val Val Arg Thr
20 25 30
Ile Val Pro Gly Gly Leu Ala Asp Arg Asp Gly Arg Leu Gln Thr Gly
35 40 45
Asp His Ile Leu Lys Ile Gly Gly Thr Asn Val Gln Gly Met Thr Ser
50 55 60
Glu Gln Val Ala Gln Val Leu Arg Asn Cys Gly Asn Ser Ser
65 70 75

<210> 162
<211> 111
<212> PRT
<213> Homo sapiens

<400> 162
Pro Gly Ser Asp Ser Ser Leu Phe Glu Thr Tyr Asn Val Glu Leu Val
1 5 10 15
Arg Lys Asp Gly Gln Ser Leu Gly Ile Arg Ile Val Gly Tyr Val Gly
20 25 30
Thr Ser His Thr Gly Glu Ala Ser Gly Ile Tyr Val Lys Ser Ile Ile
35 40 45
Pro Gly Ser Ala Ala Tyr His Asn Gly His Ile Gln Val Asn Asp Lys
50 55 60
Ile Val Ala Val Asp Gly Val Asn Ile Gln Gly Phe Ala Asn His Asp
65 70 75 80
Val Val Glu Val Leu Arg Asn Ala Gly Gln Val Val His Leu Thr Leu
85 90 95
Val Arg Arg Lys Thr Ser Ser Ser Thr Ser Arg Ile His Arg Asp
100 105 110

<210> 163
<211> 96
<212> PRT
<213> Homo sapiens

<400> 163
Asn Ser Asp Asp Ala Glu Leu Gln Lys Tyr Ser Lys Leu Leu Pro Ile
1 5 10 15
His Thr Leu Arg Leu Gly Val Glu Val Asp Ser Phe Asp Gly His His
20 25 30
Tyr Ile Ser Ser Ile Val Ser Gly Gly Pro Val Asp Thr Leu Gly Leu
35 40 45
Leu Gln Pro Glu Asp Glu Leu Leu Glu Val Asn Gly Met Gln Leu Tyr
50 55 60
Gly Lys Ser Arg Arg Glu Ala Val Ser Phe Leu Lys Glu Val Pro Pro
65 70 75 80
Pro Phe Thr Leu Val Cys Cys Arg Arg Leu Phe Asp Asp Glu Ala Ser
85 90 95

<210> 164
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 164
 Leu Ser Ser Pro Glu Val Lys Ile Val Glu Leu Val Lys Asp Cys Lys
 1 5 10 15
 Gly Leu Gly Phe Ser Ile Leu Asp Tyr Gln Asp Pro Leu Asp Pro Thr
 20 25 30
 Arg Ser Val Ile Val Ile Arg Ser Leu Val Ala Asp Gly Val Ala Glu
 35 40 45
 Arg Ser Gly Gly Leu Leu Pro Gly Asp Arg Leu Val Ser Val Asn Glu
 50 55 60
 Tyr Cys Leu Asp Asn Thr Ser Leu Ala Glu Ala Val Glu Ile Leu Lys
 65 70 75 80
 Ala Val Pro Pro Gly Leu Val His Leu Gly Ile Cys Lys Pro Leu Val
 85 90 95
 Glu Phe Ile Val Thr Asp
 100

<210> 165
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 165
 Pro Asn Phe Ser His Trp Gly Pro Pro Arg Ile Val Glu Ile Phe Arg
 1 5 10 15
 Glu Pro Asn Val Ser Leu Gly Ile Ser Ile Val Val Gly Gln Thr Val
 20 25 30
 Ile Lys Arg Leu Lys Asn Gly Glu Glu Leu Lys Gly Ile Phe Ile Lys
 35 40 45
 Gln Val Leu Glu Asp Ser Pro Ala Gly Lys Thr Asn Ala Leu Lys Thr
 50 55 60
 Gly Asp Lys Ile Leu Glu Val Ser Gly Val Asp Leu Gln Asn Ala Ser
 65 70 75 80
 His Ser Glu Ala Val Glu Ala Ile Lys Asn Ala Gly Asn Pro Val Val
 85 90 95
 Phe Ile Val Gln Ser Leu Ser Ser Thr Pro Arg Val Ile Pro Asn Val
 100 105 110
 His Asn Lys Ala Asn Ser Ser
 115

<210> 166
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 166
 Pro Gly Glu Leu His Ile Ile Glu Leu Glu Lys Asp Lys Asn Gly Leu
 1 5 10 15
 Gly Leu Ser Leu Ala Gly Asn Lys Asp Arg Ser Arg Met Ser Ile Phe
 20 25 30
 Val Val Gly Ile Asn Pro Glu Gly Pro Ala Ala Ala Asp Gly Arg Met
 35 40 45
 Arg Ile Gly Asp Glu Leu Leu Glu Ile Asn Asn Gln Ile Leu Tyr Gly
 50 55 60

Arg Ser His Gln Asn Ala Ser Ala Ile Ile Lys Thr Ala Pro Ser Lys
65 70 75 80
Val Lys Leu Val Phe Ile Arg Asn Glu Asp Ala Val Asn Gln Met Ala
85 90 95
Asn Ser Ser

<210> 167
<211> 93
<212> PRT
<213> Homo sapiens

<400> 167
Pro Ala Thr Cys Pro Ile Val Pro Gly Gln Glu Met Ile Ile Glu Ile
1 5 10 15
Ser Lys Gly Arg Ser Gly Leu Gly Leu Ser Ile Val Gly Gly Lys Asp
20 25 30
Thr Pro Leu Asn Ala Ile Val Ile His Glu Val Tyr Glu Glu Gly Ala
35 40 45
Ala Ala Arg Asp Gly Arg Leu Trp Ala Gly Asp Gln Ile Leu Glu Val
50 55 60
Asn Gly Val Asp Leu Arg Asn Ser Ser His Glu Glu Ala Ile Thr Ala
65 70 75 80
Leu Arg Gln Thr Pro Gln Lys Val Arg Leu Val Val Tyr
85 90

<210> 168
<211> 103
<212> PRT
<213> Homo sapiens

<400> 168
Ile Leu Thr Leu Thr Ile Leu Arg Gln Thr Gly Gly Leu Gly Ile Ser
1 5 10 15
Ile Ala Gly Gly Lys Gly Ser Thr Pro Tyr Lys Gly Asp Asp Glu Gly
20 25 30
Ile Phe Ile Ser Arg Val Ser Glu Gly Pro Ala Ala Arg Ala Gly
35 40 45
Val Arg Val Gly Asp Lys Leu Leu Glu Val Asn Gly Val Ala Leu Gln
50 55 60
Gly Ala Glu His His Glu Ala Val Glu Ala Leu Arg Gly Ala Gly Thr
65 70 75 80
Ala Val Gln Met Arg Val Trp Arg Glu Arg Met Val Glu Pro Glu Asn
85 90 95
Ala Glu Phe Ile Val Thr Asp
100

<210> 169
<211> 97
<212> PRT
<213> Homo sapiens

<400> 169
Pro Leu Arg Gln Arg His Val Ala Cys Leu Ala Arg Ser Glu Arg Gly
1 5 10 15
Leu Gly Phe Ser Ile Ala Gly Gly Lys Gly Ser Thr Pro Tyr Arg Ala
20 25 30
Gly Asp Ala Gly Ile Phe Val Ser Arg Ile Ala Glu Gly Gly Ala Ala
35 40 45

His Arg Ala Gly Thr Leu Gln Val Gly Asp Arg Val Leu Ser Ile Asn
 50 55 60
 Gly Val Asp Val Thr Glu Ala Arg His Asp His Ala Val Ser Leu Leu
 65 70 75 80
 Thr Ala Ala Ser Pro Thr Ile Ala Leu Leu Leu Glu Arg Glu Ala Gly
 85 90 95
 Gly

<210> 170
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 170
 Ile Leu Glu Gly Pro Tyr Pro Val Glu Glu Ile Arg Leu Pro Arg Ala
 1 5 10 15
 Gly Gly Pro Leu Gly Leu Ser Ile Val Gly Gly Ser Asp His Ser Ser
 20 25 30
 His Pro Phe Gly Val Gln Glu Pro Gly Val Phe Ile Ser Lys Val Leu
 35 40 45
 Pro Arg Gly Leu Ala Ala Arg Ser Gly Leu Arg Val Gly Asp Arg Ile
 50 55 60
 Leu Ala Val Asn Gly Gln Asp Val Arg Asp Ala Thr His Gln Glu Ala
 65 70 75 80
 Val Ser Ala Leu Leu Arg Pro Cys Leu Glu Leu Ser Leu Leu Val Arg
 85 90 95
 Arg Asp Pro Ala Glu Phe Ile Val Thr Asp
 100 105

<210> 171
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 171
 Arg Glu Leu Cys Ile Gln Lys Ala Pro Gly Glu Arg Leu Gly Ile Ser
 1 5 10 15
 Ile Arg Gly Gly Ala Arg Gly His Ala Gly Asn Pro Arg Asp Pro Thr
 20 25 30
 Asp Glu Gly Ile Phe Ile Ser Lys Val Ser Pro Thr Gly Ala Ala Gly
 35 40 45
 Arg Asp Gly Arg Leu Arg Val Gly Leu Arg Leu Leu Glu Val Asn Gln
 50 55 60
 Gln Ser Leu Leu Gly Leu Thr His Gly Glu Ala Val Gln Leu Leu Arg
 65 70 75 80
 Ser Val Gly Asp Thr Leu Thr Val Leu Val Cys Asp Gly Phe Glu Ala
 85 90 95
 Ser Thr Asp Ala Ala Leu Glu Val Ser
 100 105

<210> 172
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 172
 Pro His Gln Pro Ile Val Ile His Ser Ser Gly Lys Asn Tyr Gly Phe
 1 5 10 15

Thr	Ile	Arg	Ala	Ile	Arg	Val	Tyr	Val	Gly	Asp	Ser	Asp	Ile	Tyr	Thr
			20					25					30		
Val	His	His	Ile	Val	Trp	Asn	Val	Glu	Glu	Gly	Ser	Pro	Ala	Cys	Gln
		35				40						45			
Ala	Gly	Leu	Lys	Ala	Gly	Asp	Leu	Ile	Thr	His	Ile	Asn	Gly	Glu	Pro
	50					55					60				
Val	His	Gly	Leu	Val	His	Thr	Glu	Val	Ile	Glu	Leu	Leu	Leu	Lys	Ser
65					70					75					80
Gly	Asn	Lys	Val	Ser	Ile	Thr	Thr	Thr	Pro	Phe					
				85					90						

<210> 173
 <211> 105
 <212> PRT
 <213> Homo sapiens

Ile	Leu	Ala	Cys	Ala	Ala	Lys	Ala	Lys	Arg	Arg	Leu	Met	Thr	Leu	Thr
1				5					10					15	
Lys	Pro	Ser	Arg	Glu	Ala	Pro	Leu	Pro	Phe	Ile	Leu	Leu	Gly	Gly	Ser
			20					25					30		
Glu	Lys	Gly	Phe	Gly	Ile	Phe	Val	Asp	Ser	Val	Asp	Ser	Gly	Ser	Lys
		35				40					45				
Ala	Thr	Glu	Ala	Gly	Leu	Lys	Arg	Gly	Asp	Gln	Ile	Leu	Glu	Val	Asn
	50					55					60				
Gly	Gln	Asn	Phe	Glu	Asn	Ile	Gln	Leu	Ser	Lys	Ala	Met	Glu	Ile	Leu
65					70					75					80
Arg	Asn	Asn	Thr	His	Leu	Ser	Ile	Thr	Val	Lys	Thr	Asn	Leu	Phe	Val
				85					90					95	
Phe	Lys	Glu	Leu	Leu	Thr	Asn	Ser	Ser							
			100					105							

<210> 174
 <211> 88
 <212> PRT
 <213> Homo sapiens

Ile	Pro	Pro	Ala	Pro	Arg	Lys	Val	Glu	Met	Arg	Arg	Asp	Pro	Val	Leu
1				5					10					15	
Gly	Phe	Gly	Phe	Val	Ala	Gly	Ser	Glu	Lys	Pro	Val	Val	Val	Arg	Ser
			20					25					30		
Val	Thr	Pro	Gly	Gly	Pro	Ser	Glu	Gly	Lys	Leu	Ile	Pro	Gly	Asp	Gln
		35				40						45			
Ile	Val	Met	Ile	Asn	Asp	Glu	Pro	Val	Ser	Ala	Ala	Pro	Arg	Glu	Arg
	50				55					60					
Val	Ile	Asp	Leu	Val	Arg	Ser	Cys	Lys	Glu	Ser	Ile	Leu	Leu	Thr	Val
65					70					75					80
Ile	Gln	Pro	Tyr	Pro	Ser	Pro	Lys								
				85											

<210> 175
 <211> 101
 <212> PRT
 <213> Homo sapiens

Leu	Asn	Lys	Arg	Thr	Thr	Met	Pro	Lys	Asp	Ser	Gly	Ala	Leu	Leu	Gly
1				5					10					15	

Leu Lys Val Val Gly Gly Lys Met Thr Asp Leu Gly Arg Leu Gly Ala
 20 25 30
 Phe Ile Thr Lys Val Lys Lys Gly Ser Leu Ala Asp Val Val Gly His
 35 40 45
 Leu Arg Ala Gly Asp Glu Val Leu Glu Trp Asn Gly Lys Pro Leu Pro
 50 55 60
 Gly Ala Thr Asn Glu Glu Val Tyr Asn Ile Ile Leu Glu Ser Lys Ser
 65 70 75 80
 Glu Pro Gln Val Glu Ile Ile Val Ser Arg Pro Ile Gly Asp Ile Pro
 85 90 95
 Arg Ile His Arg Asp
 100

<210> 176
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 176
 Gln Arg Cys Val Ile Ile Gln Lys Asp Gln His Gly Phe Gly Phe Thr
 1 5 10 15
 Val Ser Gly Asp Arg Ile Val Leu Val Gln Ser Val Arg Pro Gly Gly
 20 25 30
 Ala Ala Met Lys Ala Gly Val Lys Glu Gly Asp Arg Ile Ile Lys Val
 35 40 45
 Asn Gly Thr Met Val Thr Asn Ser Ser His Leu Glu Val Val Lys Leu
 50 55 60
 Ile Lys Ser Gly Ala Tyr Val Ala Leu Thr Leu Leu Gly Ser Ser
 65 70 75

<210> 177
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 177
 Ile Leu Val Gln Arg Cys Val Ile Ile Gln Lys Asp Asp Asn Gly Phe
 1 5 10 15
 Gly Leu Thr Val Ser Gly Asp Asn Pro Val Phe Val Gln Ser Val Lys
 20 25 30
 Glu Asp Gly Ala Ala Met Arg Ala Gly Val Gln Thr Gly Asp Arg Ile
 35 40 45
 Ile Lys Val Asn Gly Thr Leu Val Thr His Ser Asn His Leu Glu Val
 50 55 60
 Val Lys Leu Ile Lys Ser Gly Ser Tyr Val Ala Leu Thr Val Gln Gly
 65 70 75 80
 Arg Pro Pro Gly Asn Ser Ser
 85

<210> 178
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 178
 Ser Val Glu Met Thr Leu Arg Arg Asn Gly Leu Gly Gln Leu Gly Phe
 1 5 10 15
 His Val Asn Tyr Glu Gly Ile Val Ala Asp Val Glu Pro Tyr Gly Tyr
 20 25 30

Ala	Trp	Gln	Ala	Gly	Leu	Arg	Gln	Gly	Ser	Arg	Leu	Val	Glu	Ile	Cys
	35					40					45				
Lys	Val	Ala	Val	Ala	Thr	Leu	Ser	His	Glu	Gln	Met	Ile	Asp	Leu	Leu
	50				55					60					
Arg	Thr	Ser	Val	Thr	Val	Lys	Val	Val	Ile	Ile	Pro	Pro	His	Asp	
65				70					75						

<210> 179
 <211> 96
 <212> PRT
 <213> Homo sapiens

Leu	Lys	Val	Met	Thr	Ser	Gly	Trp	Glu	Thr	Val	Asp	Met	Thr	Leu	Arg
1				5				10						15	
Arg	Asn	Gly	Leu	Gly	Gln	Leu	Gly	Phe	His	Val	Lys	Tyr	Asp	Gly	Thr
	20						25						30		
Val	Ala	Glu	Val	Glu	Asp	Tyr	Gly	Phe	Ala	Trp	Gln	Ala	Gly	Leu	Arg
	35						40					45			
Gln	Gly	Ser	Arg	Leu	Val	Glu	Ile	Cys	Lys	Val	Ala	Val	Val	Thr	Leu
	50				55					60					
Thr	His	Asp	Gln	Met	Ile	Asp	Leu	Leu	Arg	Thr	Ser	Val	Thr	Val	Lys
65				70						75					80
Val	Val	Ile	Ile	Pro	Pro	Phe	Glu	Asp	Gly	Thr	Pro	Arg	Arg	Gly	Trp
				85					90					95	

<210> 180
 <211> 105
 <212> PRT
 <213> Homo sapiens

His	Tyr	Ile	Phe	Pro	His	Ala	Arg	Ile	Lys	Ile	Thr	Arg	Asp	Ser	Lys
1				5					10					15	
Asp	His	Thr	Val	Ser	Gly	Asn	Gly	Leu	Gly	Ile	Arg	Ile	Val	Gly	Gly
	20						25						30		
Lys	Glu	Ile	Pro	Gly	His	Ser	Gly	Glu	Ile	Gly	Ala	Tyr	Ile	Ala	Lys
	35						40					45			
Ile	Leu	Pro	Gly	Gly	Ser	Ala	Glu	Gln	Thr	Gly	Lys	Leu	Met	Glu	Gly
	50				55					60					
Met	Gln	Val	Leu	Glu	Trp	Asn	Gly	Ile	Pro	Leu	Thr	Ser	Lys	Thr	Tyr
65				70						75					80
Glu	Glu	Val	Gln	Ser	Ile	Ile	Ser	Gln	Gln	Ser	Gly	Glu	Ala	Glu	Ile
			85						90					95	
Cys	Val	Arg	Leu	Asp	Leu	Asn	Met	Leu							
			100					105							

<210> 181
 <211> 103
 <212> PRT
 <213> Homo sapiens

Leu	Cys	Gly	Ser	Leu	Arg	Pro	Pro	Ile	Val	Ile	His	Ser	Ser	Gly	Lys
1				5					10					15	
Lys	Tyr	Gly	Phe	Ser	Leu	Arg	Ala	Ile	Arg	Val	Tyr	Met	Gly	Asp	Ser
	20						25						30		
Asp	Val	Tyr	Thr	Val	His	His	Val	Val	Trp	Ser	Val	Glu	Asp	Gly	Ser
	35						40					45			

Pro Ala Gln Glu Ala Gly Leu Arg Ala Gly Asp Leu Ile Thr His Ile
50 55 60
Asn Gly Glu Ser Val Leu Gly Leu Val His Met Asp Val Val Glu Leu
65 70 75 80
Leu Leu Lys Ser Gly Asn Lys Ile Ser Leu Arg Thr Thr Ala Leu Glu
85 90 95
Asn Thr Ser Ile Lys Val Gly
100

<210> 182
<211> 86
<212> PRT
<213> Homo sapiens

<400> 182
Ser Tyr Ser Val Thr Leu Thr Gly Pro Gly Pro Trp Gly Phe Arg Leu
1 5 10 15
Gln Gly Gly Lys Asp Phe Asn Met Pro Leu Thr Ile Ser Arg Ile Thr
20 25 30
Pro Gly Ser Lys Ala Ala Gln Ser Gln Leu Ser Gln Gly Asp Leu Val
35 40 45
Val Ala Ile Asp Gly Val Asn Thr Asp Thr Met Thr His Leu Glu Ala
50 55 60
Gln Asn Lys Ile Lys Ser Ala Ser Tyr Asn Leu Ser Leu Thr Leu Gln
65 70 75 80
Lys Ser Lys Asn Ser Ser
85

<210> 183
<211> 91
<212> PRT
<213> Homo sapiens

<400> 183
Ile Ser Arg Asp Ser Gly Ala Met Leu Gly Leu Lys Val Val Gly Gly
1 5 10 15
Lys Met Thr Glu Ser Gly Arg Leu Cys Ala Phe Ile Thr Lys Val Lys
20 25 30
Lys Gly Ser Leu Ala Asp Thr Val Gly His Leu Arg Pro Gly Asp Glu
35 40 45
Val Leu Glu Trp Asn Gly Arg Leu Leu Gln Gly Ala Thr Phe Glu Glu
50 55 60
Val Tyr Asn Ile Ile Leu Glu Ser Lys Pro Glu Pro Gln Val Glu Leu
65 70 75 80
Val Val Ser Arg Pro Ile Ala Ile His Arg Asp
85 90

<210> 184
<211> 101
<212> PRT
<213> Homo sapiens

<400> 184
Ile Ser Ala Leu Gly Ser Met Arg Pro Pro Ile Ile Ile His Arg Ala
1 5 10 15
Gly Lys Lys Tyr Gly Phe Thr Leu Arg Ala Ile Arg Val Tyr Met Gly
20 25 30
Asp Ser Asp Val Tyr Thr Val His Met Val Trp His Val Glu Asp
35 40 45

Gly	Gly	Pro	Ala	Ser	Glu	Ala	Gly	Leu	Arg	Gln	Gly	Asp	Leu	Ile	Thr
50						55					60				
His	Val	Asn	Gly	Glu	Pro	Val	His	Gly	Leu	Val	His	Thr	Glu	Val	Val
65					70					75					80
Glu	Leu	Ile	Leu	Lys	Ser	Gly	Asn	Lys	Val	Ala	Ile	Ser	Thr	Thr	Pro
				85					90						95
Leu	Glu	Asn	Ser	Ser											
				100											

<210> 185
 <211> 94
 <212> PRT
 <213> Homo sapiens

Phe	Ser	Asp	Met	Arg	Ile	Ser	Ile	Asn	Gln	Thr	Pro	Gly	Lys	Ser	Leu
1				5					10					15	
Asp	Phe	Gly	Phe	Thr	Ile	Lys	Trp	Asp	Ile	Pro	Gly	Ile	Phe	Val	Ala
			20					25					30		
Ser	Val	Glu	Ala	Gly	Ser	Pro	Ala	Glu	Phe	Ser	Gln	Leu	Gln	Val	Asp
		35					40					45			
Asp	Glu	Ile	Ile	Ala	Ile	Asn	Asn	Thr	Lys	Phe	Ser	Tyr	Asn	Asp	Ser
	50					55				60					
Lys	Glu	Trp	Glu	Glu	Ala	Met	Ala	Lys	Ala	Gln	Glu	Thr	Gly	His	Leu
65					70					75					80
Val	Met	Asp	Val	Arg	Arg	Tyr	Gly	Lys	Ala	Gly	Ser	Pro	Glu		
				85					90						

<210> 186
 <211> 98
 <212> PRT
 <213> Homo sapiens

Gln	Ser	Ala	His	Leu	Glu	Val	Ile	Gln	Leu	Ala	Asn	Ile	Lys	Pro	Ser
1				5					10					15	
Glu	Gly	Leu	Gly	Met	Tyr	Ile	Lys	Ser	Thr	Tyr	Asp	Gly	Leu	His	Val
			20					25					30		
Ile	Thr	Gly	Thr	Thr	Glu	Asn	Ser	Pro	Ala	Asp	Arg	Cys	Lys	Lys	Ile
		35					40					45			
His	Ala	Gly	Asp	Glu	Val	Ile	Gln	Val	Asn	His	Gln	Thr	Val	Val	Gly
	50					55				60					
Trp	Gln	Leu	Lys	Asn	Leu	Val	Asn	Ala	Leu	Arg	Glu	Asp	Pro	Ser	Gly
65					70					75					80
Val	Ile	Leu	Thr	Leu	Lys	Lys	Arg	Pro	Gln	Ser	Met	Leu	Thr	Ser	Ala
				85					90					95	
Pro	Ala														

<210> 187
 <211> 100
 <212> PRT
 <213> Homo sapiens

Ile	Leu	Thr	Gln	Thr	Leu	Ile	Pro	Val	Arg	His	Thr	Val	Lys	Ile	Asp
1					5				10					15	
Lys	Asp	Thr	Leu	Leu	Gln	Asp	Tyr	Gly	Phe	His	Ile	Ser	Glu	Ser	Leu
			20					25					30		

Pro Leu Thr Val Val Ala Val Thr Ala Gly Gly Ser Ala His Gly Lys
35 40 45
Leu Phe Pro Gly Asp Gln Ile Leu Gln Met Asn Asn Glu Pro Ala Glu
50 55 60
Asp Leu Ser Trp Glu Arg Ala Val Asp Ile Leu Arg Glu Ala Glu Asp
65 70 75 80
Ser Leu Ser Ile Thr Val Val Arg Cys Thr Ser Gly Val Pro Lys Ser
85 90 95
Ser Asn Ser Ser
100

<210> 188
<211> 93
<212> PRT
<213> Homo sapiens

<400> 188
Gly Leu Arg Ser Pro Ile Thr Ile Gln Arg Ser Gly Lys Lys Tyr Gly
1 5 10 15
Phe Thr Leu Arg Ala Ile Arg Val Tyr Met Gly Asp Thr Asp Val Tyr
20 25 30
Ser Val His His Ile Val Trp His Val Glu Glu Gly Gly Pro Ala Gln
35 40 45
Glu Ala Gly Leu Cys Ala Gly Asp Leu Ile Thr His Val Asn Gly Glu
50 55 60
Pro Val His Gly Met Val His Pro Glu Val Val Glu Leu Ile Leu Lys
65 70 75 80
Ser Gly Asn Lys Val Ala Val Thr Thr Thr Pro Phe Glu
85 90

<210> 189
<211> 107
<212> PRT
<213> Homo sapiens

<400> 189
Gln Gly Glu Glu Thr Lys Ser Leu Thr Leu Val Leu His Arg Asp Ser
1 5 10 15
Gly Ser Leu Gly Phe Asn Ile Ile Gly Arg Pro Ser Val Asp Asn
20 25 30
His Asp Gly Ser Ser Ser Glu Gly Ile Phe Val Ser Lys Ile Val Asp
35 40 45
Ser Gly Pro Ala Ala Lys Glu Gly Gly Leu Gln Ile His Asp Arg Ile
50 55 60
Ile Glu Val Asn Gly Arg Asp Leu Ser Arg Ala Thr His Asp Gln Ala
65 70 75 80
Val Glu Ala Phe Lys Thr Ala Lys Glu Pro Ile Val Val Gln Val Leu
85 90 95
Arg Arg Thr Pro Arg Thr Lys Met Phe Thr Pro
100 105

<210> 190
<211> 101
<212> PRT
<213> Homo sapiens

<400> 190
Gln Glu Met Asp Arg Glu Glu Leu Glu Leu Glu Glu Val Asp Leu Tyr
1 5 10 15

Arg	Met	Asn	Ser	Gln	Asp	Lys	Leu	Gly	Leu	Thr	Val	Cys	Tyr	Arg	Thr
		20						25					30		
Asp	Asp	Glu	Asp	Asp	Ile	Gly	Ile	Tyr	Ile	Ser	Glu	Ile	Asp	Pro	Asn
	35					40					45				
Ser	Ile	Ala	Ala	Lys	Asp	Gly	Arg	Ile	Arg	Glu	Gly	Asp	Arg	Ile	Ile
	50					55					60				
Gln	Ile	Asn	Gly	Ile	Glu	Val	Gln	Asn	Arg	Glu	Glu	Ala	Val	Ala	Leu
65					70					75					80
Leu	Thr	Ser	Glu	Glu	Asn	Lys	Asn	Phe	Ser	Leu	Leu	Ile	Ala	Arg	Pro
			85						90					95	
Glu	Leu	Gln	Leu	Asp											
			100												

<210> 191
 <211> 91
 <212> PRT
 <213> Homo sapiens

Arg	Ser	Phe	Gln	Tyr	Val	Pro	Val	Gln	Leu	Gln	Gly	Gly	Ala	Pro	Trp
1			5						10					15	
Gly	Phe	Thr	Leu	Lys	Gly	Gly	Leu	Glu	His	Cys	Glu	Pro	Leu	Thr	Val
			20					25					30		
Ser	Lys	Ile	Glu	Asp	Gly	Gly	Lys	Ala	Ala	Leu	Ser	Gln	Lys	Met	Arg
	35						40					45			
Thr	Gly	Asp	Glu	Leu	Val	Asn	Ile	Asn	Gly	Thr	Pro	Leu	Tyr	Gly	Ser
	50					55					60				
Arg	Gln	Glu	Ala	Leu	Ile	Leu	Ile	Lys	Gly	Ser	Phe	Arg	Ile	Leu	Lys
65					70					75					80
Leu	Ile	Val	Arg	Arg	Arg	Asn	Ala	Pro	Val	Ser					
				85					90						

<210> 192
 <211> 102
 <212> PRT
 <213> Homo sapiens

Ile	Leu	Glu	Lys	Leu	Glu	Leu	Phe	Pro	Val	Glu	Leu	Glu	Lys	Asp	Glu
1			5						10					15	
Asp	Gly	Leu	Gly	Ile	Ser	Ile	Ile	Gly	Met	Gly	Val	Gly	Ala	Asp	Ala
		20						25					30		
Gly	Leu	Glu	Lys	Leu	Gly	Ile	Phe	Val	Lys	Thr	Val	Thr	Glu	Gly	Gly
	35						40					45			
Ala	Ala	Gln	Arg	Asp	Gly	Arg	Ile	Gln	Val	Asn	Asp	Gln	Ile	Val	Glu
	50					55					60				
Val	Asp	Gly	Ile	Ser	Leu	Val	Gly	Val	Thr	Gln	Asn	Phe	Ala	Ala	Thr
65					70					75					80
Val	Leu	Arg	Asn	Thr	Lys	Gly	Asn	Val	Arg	Phe	Val	Ile	Gly	Arg	Glu
			85						90					95	
Lys	Pro	Gly	Gln	Val	Ser										
			100												

<210> 193
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 193

Lys	Asp	Val	Asn	Val	Tyr	Val	Asn	Pro	Lys	Lys	Leu	Thr	Val	Ile	Lys
1				5					10					15	
Ala	Lys	Glu	Gln	Leu	Lys	Leu	Leu	Glu	Val	Leu	Val	Gly	Ile	Ile	His
			20					25					30		
Gln	Thr	Lys	Trp	Ser	Trp	Arg	Arg	Thr	Gly	Lys	Gln	Gly	Asp	Gly	Glu
		35					40					45			
Arg	Leu	Val	Val	His	Gly	Leu	Leu	Pro	Gly	Gly	Ser	Ala	Met	Lys	Ser
	50					55					60				
Gly	Gln	Val	Leu	Ile	Gly	Asp	Val	Leu	Val	Ala	Val	Asn	Asp	Val	Asp
65					70					75					80
Val	Thr	Thr	Glu	Asn	Ile	Glu	Arg	Val	Leu	Ser	Cys	Ile	Pro	Gly	Pro
				85					90					95	
Met	Gln	Val	Lys	Leu	Thr	Phe	Glu	Asn	Ala	Tyr	Asp	Val	Lys	Arg	Glu
			100					105					110		

Thr

<210> 194
 <211> 90
 <212> PRT
 <213> Homo sapiens

Thr	Arg	Gly	Cys	Glu	Thr	Val	Glu	Met	Thr	Leu	Arg	Arg	Asn	Gly	Leu
1				5					10					15	
Gly	Gln	Leu	Gly	Phe	His	Val	Asn	Phe	Glu	Gly	Ile	Val	Ala	Asp	Val
			20					25					30		
Glu	Pro	Phe	Gly	Phe	Ala	Trp	Lys	Ala	Gly	Leu	Arg	Gln	Gly	Ser	Arg
		35					40					45			
Leu	Val	Glu	Ile	Cys	Lys	Val	Ala	Val	Ala	Thr	Leu	Thr	His	Glu	Gln
	50					55					60				
Met	Ile	Asp	Leu	Leu	Arg	Thr	Ser	Val	Thr	Val	Lys	Val	Val	Ile	Ile
65					70					75					80
Gln	Pro	His	Asp	Asp	Gly	Ser	Pro	Arg	Arg						
				85					90						

<210> 195
 <211> 96
 <212> PRT
 <213> Homo sapiens

Val	Glu	Asn	Ile	Leu	Ala	Lys	Arg	Leu	Leu	Ile	Leu	Pro	Gln	Glu	Glu
1				5					10					15	
Asp	Tyr	Gly	Phe	Asp	Ile	Glu	Glu	Lys	Asn	Lys	Ala	Val	Val	Val	Lys
			20					25					30		
Ser	Val	Gln	Arg	Gly	Ser	Leu	Ala	Glu	Val	Ala	Gly	Leu	Gln	Val	Gly
		35					40					45			
Arg	Lys	Ile	Tyr	Ser	Ile	Asn	Glu	Asp	Leu	Val	Phe	Leu	Arg	Pro	Phe
	50					55					60				
Ser	Glu	Val	Glu	Ser	Ile	Leu	Asn	Gln	Ser	Phe	Cys	Ser	Arg	Arg	Pro
65					70					75					80
Leu	Arg	Leu	Leu	Val	Ala	Thr	Lys	Ala	Lys	Glu	Ile	Ile	Lys	Ile	Pro
				85					90					95	

<210> 196
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 196

Pro Asp Ser Ala Gly Pro Gly Glu Val Arg Leu Val Ser Leu Arg Arg
1 5 10 15
Ala Lys Ala His Glu Gly Leu Gly Phe Ser Ile Arg Gly Gly Ser Glu
20 25 30
His Gly Val Gly Ile Tyr Val Ser Leu Val Glu Pro Gly Ser Leu Ala
35 40 45
Glu Lys Glu Gly Leu Arg Val Gly Asp Gln Ile Leu Arg Val Asn Asp
50 55 60
Lys Ser Leu Ala Arg Val Thr His Ala Glu Ala Val Lys Ala Leu Lys
65 70 75 80
Gly Ser Lys Lys Leu Val Leu Ser Val Tyr Ser Ala Gly Arg Ile Pro
85 90 95
Gly Gly Tyr Val Thr Asn His
100

<210> 197

<211> 100

<212> PRT

<213> Homo sapiens

<400> 197

Leu Gln Gly Gly Asp Glu Lys Lys Val Asn Leu Val Leu Gly Asp Gly
1 5 10 15
Arg Ser Leu Gly Leu Thr Ile Arg Gly Gly Ala Glu Tyr Gly Leu Gly
20 25 30
Ile Tyr Ile Thr Gly Val Asp Pro Gly Ser Glu Ala Glu Gly Ser Gly
35 40 45
Leu Lys Val Gly Asp Gln Ile Leu Glu Val Asn Trp Arg Ser Phe Leu
50 55 60
Asn Ile Leu His Asp Glu Ala Val Arg Leu Leu Lys Ser Ser Arg His
65 70 75 80
Leu Ile Leu Thr Val Lys Asp Val Gly Arg Leu Pro His Ala Arg Thr
85 90 95
Thr Val Asp Glu
100

<210> 198

<211> 87

<212> PRT

<213> Homo sapiens

<400> 198

Trp Thr Ser Gly Ala His Val His Ser Gly Pro Cys Glu Glu Lys Cys
1 5 10 15
Gly His Pro Gly His Arg Gln Pro Leu Pro Arg Ile Val Thr Ile Gln
20 25 30
Arg Gly Gly Ser Ala His Asn Cys Gly Gln Leu Lys Val Gly His Val
35 40 45
Ile Leu Glu Val Asn Gly Leu Thr Leu Arg Gly Lys Glu His Arg Glu
50 55 60
Ala Ala Arg Ile Ile Ala Glu Ala Phe Lys Thr Lys Asp Arg Asp Tyr
65 70 75 80
Ile Asp Phe Leu Asp Ser Leu
85

<210> 199

<211> 100

<212> PRT
 <213> Homo sapiens

<400> 199

Glu	Leu	Arg	Arg	Ala	Glu	Leu	Val	Glu	Ile	Ile	Val	Glu	Thr	Glu	Ala
1				5					10					15	
Gln	Thr	Gly	Val	Ser	Gly	Ile	Asn	Val	Ala	Gly	Gly	Gly	Lys	Glu	Gly
			20					25					30		
Ile	Phe	Val	Arg	Glu	Leu	Arg	Glu	Asp	Ser	Pro	Ala	Ala	Arg	Ser	Leu
			35				40					45			
Ser	Leu	Gln	Glu	Gly	Asp	Gln	Leu	Leu	Ser	Ala	Arg	Val	Phe	Phe	Glu
			50			55					60				
Asn	Phe	Lys	Tyr	Glu	Asp	Ala	Leu	Arg	Leu	Leu	Gln	Cys	Ala	Glu	Pro
65					70				75					80	
Tyr	Lys	Val	Ser	Phe	Cys	Leu	Lys	Arg	Thr	Val	Pro	Thr	Gly	Asp	Leu
				85					90					95	
Ala	Leu	Arg	Pro												
															100

<210> 200
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 200

Pro	Ser	Gln	Leu	Lys	Gly	Val	Leu	Val	Arg	Ala	Ser	Leu	Lys	Lys	Ser
1				5					10					15	
Thr	Met	Gly	Phe	Gly	Phe	Thr	Ile	Ile	Gly	Gly	Asp	Arg	Pro	Asp	Glu
			20					25					30		
Phe	Leu	Gln	Val	Lys	Asn	Val	Leu	Lys	Asp	Gly	Pro	Ala	Ala	Gln	Asp
			35				40					45			
Gly	Lys	Ile	Ala	Pro	Gly	Asp	Val	Ile	Val	Asp	Ile	Asn	Gly	Asn	Cys
			50			55					60				
Val	Leu	Gly	His	Thr	His	Ala	Asp	Val	Val	Gln	Met	Phe	Gln	Leu	Val
65					70					75				80	
Pro	Val	Asn	Gln	Tyr	Val	Asn	Leu	Thr	Leu	Cys	Arg	Gly	Tyr	Pro	Leu
				85					90					95	
Pro	Asp	Asp	Ser	Glu	Asp										
															100

<210> 201
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 201

Ala	Ser	Ser	Gly	Ser	Ser	Gln	Pro	Glu	Leu	Val	Thr	Ile	Pro	Leu	Ile
1				5					10					15	
Lys	Gly	Pro	Lys	Gly	Phe	Gly	Phe	Ala	Ile	Ala	Asp	Ser	Pro	Thr	Gly
			20					25					30		
Gln	Lys	Val	Lys	Met	Ile	Leu	Asp	Ser	Gln	Trp	Cys	Gln	Gly	Leu	Gln
			35				40					45			
Lys	Gly	Asp	Ile	Ile	Lys	Glu	Ile	Tyr	His	Gln	Asn	Val	Gln	Asn	Leu
			50			55					60				
Thr	His	Leu	Gln	Val	Val	Glu	Val	Leu	Lys	Gln	Phe	Pro	Val	Gly	Ala
65					70					75				80	
Asp	Val	Pro	Leu	Leu	Ile	Leu	Arg	Gly	Gly	Pro	Pro	Ser	Pro	Thr	Lys
				85					90					95	
Thr	Ala	Lys	Met												
															100

<210> 202
 <211> 143
 <212> PRT
 <213> Homo sapiens

<400> 202
 Leu Tyr Glu Asp Lys Pro Pro Leu Thr Asn Thr Phe Leu Ile Ser Asn
 1 5 10 15
 Pro Arg Thr Thr Ala Asp Pro Arg Ile Leu Tyr Glu Asp Lys Pro Pro
 20 25 30
 Asn Thr Lys Asp Leu Asp Val Phe Leu Arg Lys Gln Glu Ser Gly Phe
 35 40 45
 Gly Phe Arg Val Leu Gly Gly Asp Gly Pro Asp Gln Ser Ile Tyr Ile
 50 55 60
 Gly Ala Ile Ile Pro Leu Gly Ala Ala Glu Lys Asp Gly Arg Leu Arg
 65 70 75 80
 Ala Ala Asp Glu Leu Met Cys Ile Asp Gly Ile Pro Val Lys Gly Lys
 85 90 95
 Ser His Lys Gln Val Leu Asp Leu Met Thr Thr Ala Ala Arg Asn Gly
 100 105 110
 His Val Leu Thr Val Arg Arg Lys Ile Phe Tyr Gly Glu Lys Gln
 115 120 125
 Pro Glu Asp Asp Ser Gly Ser Pro Gly Ile His Arg Glu Leu Thr
 130 135 140

<210> 203
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 203
 Pro Ala Pro Gln Glu Pro Tyr Asp Val Val Leu Gln Arg Lys Glu Asn
 1 5 10 15
 Glu Gly Phe Gly Phe Val Ile Leu Thr Ser Lys Asn Lys Pro Pro Pro
 20 25 30
 Gly Val Ile Pro His Lys Ile Gly Arg Val Ile Glu Gly Ser Pro Ala
 35 40 45
 Asp Arg Cys Gly Lys Leu Lys Val Gly Asp His Ile Ser Ala Val Asn
 50 55 60
 Gly Gln Ser Ile Val Glu Leu Ser His Asp Asn Ile Val Gln Leu Ile
 65 70 75 80
 Lys Asp Ala Gly Val Thr Val Thr Leu Thr Val Ile Ala Glu Glu Glu
 85 90 95
 His His Gly Pro Pro Ser
 100

<210> 204
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 204
 Gln Asn Leu Gly Cys Tyr Pro Val Glu Leu Glu Arg Gly Pro Arg Gly
 1 5 10 15
 Phe Gly Phe Ser Leu Arg Gly Gly Lys Glu Tyr Asn Met Gly Leu Phe
 20 25 30
 Ile Leu Arg Leu Ala Glu Asp Gly Pro Ala Ile Lys Asp Gly Arg Ile
 35 40 45

His Val Gly Asp Gln Ile Val Glu Ile Asn Gly Glu Pro Thr Gln Gly
 50 55 60
 Ile Thr His Thr Arg Ala Ile Glu Leu Ile Gln Ala Gly Gly Asn Lys
 65 70 75 80
 Val Leu Leu Leu Leu Arg Pro Gly Thr Gly Leu Ile Pro Asp His Gly
 85 90 95
 Leu Ala

<210> 205
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 205
 Ile Thr Val Val Glu Leu Ile Lys Lys Glu Gly Ser Thr Leu Gly Leu
 1 5 10 15
 Thr Ile Ser Gly Gly Thr Asp Lys Asp Gly Lys Pro Arg Val Ser Asn
 20 25 30
 Leu Arg Pro Gly Gly Leu Ala Ala Arg Ser Asp Leu Leu Asn Ile Gly
 35 40 45
 Asp Tyr Ile Arg Ser Val Asn Gly Ile His Leu Thr Arg Leu Arg His
 50 55 60
 Asp Glu Ile Ile Thr Leu Leu Lys Asn Val Gly Glu Arg Val Val Leu
 65 70 75 80
 Glu Val Glu Tyr

<210> 206
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 206
 Ile Leu Asp Val Ser Leu Tyr Lys Glu Gly Asn Ser Phe Gly Phe Val
 1 5 10 15
 Leu Arg Gly Gly Ala His Glu Asp Gly His Lys Ser Arg Pro Leu Val
 20 25 30
 Leu Thr Tyr Val Arg Pro Gly Gly Pro Ala Asp Arg Glu Gly Ser Leu
 35 40 45
 Lys Val Gly Asp Arg Leu Leu Ser Val Asp Gly Ile Pro Leu His Gly
 50 55 60
 Ala Ser His Ala Thr Ala Leu Ala Thr Leu Arg Gln Cys Ser His Glu
 65 70 75 80
 Ala Leu Phe Gln Val Glu Tyr Asp Val Ala Thr Pro
 85 90

<210> 207
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 207
 Ile His Thr Val Ala Asn Ala Ser Gly Pro Leu Met Val Glu Ile Val
 1 5 10 15
 Lys Thr Pro Gly Ser Ala Leu Gly Ile Ser Leu Thr Thr Thr Ser Leu
 20 25 30
 Arg Asn Lys Ser Val Ile Thr Ile Asp Arg Ile Lys Pro Ala Ser Val
 35 40 45

Val	Asp	Arg	Ser	Gly	Ala	Leu	His	Pro	Gly	Asp	His	Ile	Leu	Ser	Ile
50						55					60				
Asp	Gly	Thr	Ser	Met	Glu	His	Cys	Ser	Leu	Leu	Glu	Ala	Thr	Lys	Leu
65					70					75					80
Leu	Ala	Ser	Ile	Ser	Glu	Lys	Val	Arg	Leu	Glu	Ile	Leu	Pro	Val	Pro
				85					90					95	
Gln	Ser	Gln	Arg	Pro	Leu										
				100											

<210> 208
 <211> 103
 <212> PRT
 <213> Homo sapiens

Ile	Gln	Ile	Val	His	Thr	Glu	Thr	Thr	Glu	Val	Val	Leu	Cys	Gly	Asp
1				5					10					15	
Pro	Leu	Ser	Gly	Phe	Gly	Leu	Gln	Leu	Gln	Gly	Gly	Ile	Phe	Ala	Thr
			20					25					30		
Glu	Thr	Leu	Ser	Ser	Pro	Pro	Leu	Val	Cys	Phe	Ile	Glu	Pro	Asp	Ser
		35					40					45			
Pro	Ala	Glu	Arg	Cys	Gly	Leu	Leu	Gln	Val	Gly	Asp	Arg	Val	Leu	Ser
	50					55					60				
Ile	Asn	Gly	Ile	Ala	Thr	Glu	Asp	Gly	Thr	Met	Glu	Glu	Ala	Asn	Gln
65					70					75					80
Leu	Leu	Arg	Asp	Ala	Ala	Leu	Ala	His	Lys	Val	Val	Leu	Glu	Val	Glu
				85					90					95	
Phe	Asp	Val	Ala	Glu	Ser	Val									
				100											

<210> 209
 <211> 103
 <212> PRT
 <213> Homo sapiens

Ile	Gln	Phe	Asp	Val	Ala	Glu	Ser	Val	Ile	Pro	Ser	Ser	Gly	Thr	Phe
1				5					10					15	
His	Val	Lys	Leu	Pro	Lys	Lys	Arg	Ser	Val	Glu	Leu	Gly	Ile	Thr	Ile
			20					25					30		
Ser	Ser	Ala	Ser	Arg	Lys	Arg	Gly	Glu	Pro	Leu	Ile	Ile	Ser	Asp	Ile
		35					40					45			
Lys	Lys	Gly	Ser	Val	Ala	His	Arg	Thr	Gly	Thr	Leu	Glu	Pro	Gly	Asp
	50					55					60				
Lys	Leu	Leu	Ala	Ile	Asp	Asn	Ile	Arg	Leu	Asp	Asn	Cys	Pro	Met	Glu
65					70					75					80
Asp	Ala	Val	Gln	Ile	Leu	Arg	Gln	Cys	Glu	Asp	Leu	Val	Lys	Leu	Lys
				85					90					95	
Ile	Arg	Lys	Asp	Glu	Asp	Asn									
				100											

<210> 210
 <211> 94
 <212> PRT
 <213> Homo sapiens

Ile	Gln	Thr	Thr	Gly	Ala	Val	Ser	Tyr	Thr	Val	Glu	Leu	Lys	Arg	Tyr
1				5					10					15	
									55						

Gly	Gly	Pro	Leu	Gly	Ile	Thr	Ile	Ser	Gly	Thr	Glu	Glu	Pro	Phe	Asp
		20						25					30		
Pro	Ile	Val	Ile	Ser	Gly	Leu	Thr	Lys	Arg	Gly	Leu	Ala	Glu	Arg	Thr
		35						40				45			
Gly	Ala	Ile	His	Val	Gly	Asp	Arg	Ile	Leu	Ala	Ile	Asn	Asn	Val	Ser
	50					55					60				
Leu	Lys	Gly	Arg	Pro	Leu	Ser	Glu	Ala	Ile	His	Leu	Leu	Gln	Val	Ala
65					70					75					80
Gly	Glu	Thr	Val	Thr	Leu	Lys	Ile	Lys	Lys	Gln	Leu	Asp	Arg		
				85					90						

<210> 211
 <211> 105
 <212> PRT
 <213> Homo sapiens

Ile	Leu	Glu	Met	Glu	Glu	Leu	Leu	Leu	Pro	Thr	Pro	Leu	Glu	Met	His
1				5					10					15	
Lys	Val	Thr	Leu	His	Lys	Asp	Pro	Met	Arg	His	Asp	Phe	Gly	Phe	Ser
			20					25					30		
Val	Ser	Asp	Gly	Leu	Leu	Glu	Lys	Gly	Val	Tyr	Val	His	Thr	Val	Arg
		35					40					45			
Pro	Asp	Gly	Pro	Ala	His	Arg	Gly	Gly	Leu	Gln	Pro	Phe	Asp	Arg	Val
	50					55					60				
Leu	Gln	Val	Asn	His	Val	Arg	Thr	Arg	Asp	Phe	Asp	Cys	Cys	Leu	Ala
65					70					75					80
Val	Pro	Leu	Leu	Ala	Glu	Ala	Gly	Asp	Val	Leu	Glu	Leu	Ile	Ile	Ser
				85					90					95	
Arg	Lys	Pro	His	Thr	Ala	His	Ser	Ser							
			100					105							

<210> 212
 <211> 91
 <212> PRT
 <213> Homo sapiens

Met	Ala	Leu	Thr	Val	Asp	Val	Ala	Gly	Pro	Ala	Pro	Trp	Gly	Phe	Arg
1				5					10					15	
Ile	Thr	Gly	Gly	Arg	Asp	Phe	His	Thr	Pro	Ile	Met	Val	Thr	Lys	Val
			20					25					30		
Ala	Glu	Arg	Gly	Lys	Ala	Lys	Asp	Ala	Asp	Leu	Arg	Pro	Gly	Asp	Ile
		35					40					45			
Ile	Val	Ala	Ile	Asn	Gly	Glu	Ser	Ala	Glu	Gly	Met	Leu	His	Ala	Glu
	50					55					60				
Ala	Gln	Ser	Lys	Ile	Arg	Gln	Ser	Pro	Ser	Pro	Leu	Arg	Leu	Gln	Leu
65					70					75					80
Asp	Arg	Ser	Gln	Ala	Thr	Ser	Pro	Gly	Gln	Thr					
				85					90						

<210> 213
 <211> 84
 <212> PRT
 <213> Homo sapiens

Ser	Asn	Tyr	Ser	Val	Ser	Leu	Val	Gly	Pro	Ala	Pro	Trp	Gly	Phe	Arg
1				5					10					15	

Leu	Gln	Gly	Gly	Lys	Asp	Phe	Asn	Met	Pro	Leu	Thr	Ile	Ser	Ser	Leu
		20						25					30		
Lys	Asp	Gly	Gly	Lys	Ala	Ala	Gln	Ala	Asn	Val	Arg	Ile	Gly	Asp	Val
		35					40					45			
Val	Leu	Ser	Ile	Asp	Gly	Ile	Asn	Ala	Gln	Gly	Met	Thr	His	Leu	Glu
	50					55					60				
Ala	Gln	Asn	Lys	Ile	Lys	Gly	Cys	Thr	Gly	Ser	Leu	Asn	Met	Thr	Leu
65					70					75					80
Gln	Arg	Ala	Ser												

<210> 214
 <211> 133
 <212> PRT
 <213> Homo sapiens

Thr	Leu	Val	Glu	His	Ser	Lys	Leu	Tyr	Cys	Gly	His	Cys	Tyr	Tyr	Gln
1				5					10					15	
Thr	Val	Val	Thr	Pro	Val	Ile	Glu	Gln	Ile	Leu	Pro	Asp	Ser	Pro	Gly
			20					25					30		
Ser	His	Leu	Pro	His	Thr	Val	Thr	Leu	Val	Ser	Ile	Pro	Ala	Ser	Ser
		35					40					45			
His	Gly	Lys	Arg	Gly	Leu	Ser	Val	Ser	Ile	Asp	Pro	Pro	His	Gly	Pro
	50					55				60					
Pro	Gly	Cys	Gly	Thr	Glu	His	Ser	His	Thr	Val	Arg	Val	Gln	Gly	Val
65					70					75					80
Asp	Pro	Gly	Cys	Met	Ser	Pro	Asp	Val	Lys	Asn	Ser	Ile	His	Val	Gly
				85					90					95	
Asp	Arg	Ile	Leu	Glu	Ile	Asn	Gly	Thr	Pro	Ile	Arg	Asn	Val	Pro	Leu
			100					105					110		
Asp	Glu	Ile	Asp	Leu	Leu	Ile	Gln	Glu	Thr	Ser	Arg	Leu	Leu	Gln	Leu
		115					120					125			
Thr	Leu	Glu	His	Asp											
	130														

<210> 215
 <211> 92
 <212> PRT
 <213> Homo sapiens

Pro	Tyr	Ser	Val	Thr	Leu	Ile	Ser	Met	Pro	Ala	Thr	Thr	Glu	Gly	Arg
1				5					10					15	
Arg	Gly	Phe	Ser	Val	Ser	Val	Glu	Ser	Ala	Cys	Ser	Asn	Tyr	Ala	Thr
			20					25					30		
Thr	Val	Gln	Val	Lys	Glu	Val	Asn	Arg	Met	His	Ile	Ser	Pro	Asn	Asn
		35					40					45			
Arg	Asn	Ala	Ile	His	Pro	Gly	Asp	Arg	Ile	Leu	Glu	Ile	Asn	Gly	Thr
	50					55					60				
Pro	Val	Arg	Thr	Leu	Arg	Val	Glu	Glu	Val	Glu	Asp	Ala	Ile	Ser	Gln
65					70					75					80
Thr	Ser	Gln	Thr	Leu	Gln	Leu	Leu	Ile	Glu	His	Asp				
				85					90						

<210> 216
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 216

```
Ile His Ser Val Thr Leu Arg Gly Pro Ser Pro Trp Gly Phe Arg Leu
1          5          10          15
Val Gly Arg Asp Phe Ser Ala Pro Leu Thr Ile Ser Arg Val His Ala
20          25          30
Gly Ser Lys Ala Ser Leu Ala Ala Leu Cys Pro Gly Asp Leu Ile Gln
35          40          45
Ala Ile Asn Gly Glu Ser Thr Glu Leu Met Thr His Leu Glu Ala Gln
50          55          60
Asn Arg Ile Lys Gly Cys His Asp His Leu Thr Leu Ser Val Ser Arg
65          70          75          80
Pro Glu
```

<210> 217

<211> 74

<212> PRT

<213> Homo sapiens

<400> 217

```
Val Cys Tyr Arg Thr Asp Asp Glu Glu Asp Leu Gly Ile Tyr Val Gly
1          5          10          15
Glu Val Asn Pro Asn Ser Ile Ala Ala Lys Asp Gly Arg Ile Arg Glu
20          25          30
Gly Asp Arg Ile Ile Gln Ile Asn Gly Val Asp Val Gln Asn Arg Glu
35          40          45
Glu Ala Val Ala Ile Leu Ser Gln Glu Glu Asn Thr Asn Ile Ser Leu
50          55          60
Leu Val Ala Arg Pro Glu Ser Gln Leu Ala
65          70
```

<210> 218

<211> 103

<212> PRT

<213> Homo sapiens

<400> 218

```
Ile Gln Lys Lys Asn His Trp Thr Ser Arg Val His Glu Cys Thr Val
1          5          10          15
Lys Arg Gly Pro Gln Gly Glu Leu Gly Val Thr Val Leu Gly Gly Ala
20          25          30
Glu His Gly Glu Phe Pro Tyr Val Gly Ala Val Ala Ala Val Glu Ala
35          40          45
Ala Gly Leu Pro Gly Gly Gly Glu Gly Pro Arg Leu Gly Glu Gly Glu
50          55          60
Leu Leu Leu Glu Val Gln Gly Val Arg Val Ser Gly Leu Pro Arg Tyr
65          70          75          80
Asp Val Leu Gly Val Ile Asp Ser Cys Lys Glu Ala Val Thr Phe Lys
85          90          95
Ala Val Arg Gln Gly Gly Arg
100
```

<210> 219

<211> 104

<212> PRT

<213> Homo sapiens

<400> 219

Pro	Ser	Glu	Leu	Lys	Gly	Lys	Phe	Ile	His	Thr	Lys	Leu	Arg	Lys	Ser
1				5					10					15	
Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu	Pro	Asp	Glu
			20					25					30		
Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala	Ala	Leu	Asp
		35					40					45			
Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn	Asp	Thr	Cys
	50					55					60				
Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe	Gln	Ser	Ile
65					70					75					80
Pro	Ile	Gly	Ala	Ser	Val	Asp	Leu	Glu	Leu	Cys	Arg	Gly	Tyr	Pro	Leu
				85					90					95	
Pro	Phe	Asp	Pro	Asp	Asp	Pro	Asn								
				100											

<210> 220
 <211> 92
 <212> PRT
 <213> Homo sapiens

Pro	Ala	Thr	Gln	Pro	Glu	Leu	Ile	Thr	Val	His	Ile	Val	Lys	Gly	Pro
1				5					10					15	
Met	Gly	Phe	Gly	Phe	Thr	Ile	Ala	Asp	Ser	Pro	Gly	Gly	Gly	Gly	Gln
			20					25					30		
Arg	Val	Lys	Gln	Ile	Val	Asp	Ser	Pro	Arg	Cys	Arg	Gly	Leu	Lys	Glu
		35					40					45			
Gly	Asp	Leu	Ile	Val	Glu	Val	Asn	Lys	Lys	Asn	Val	Gln	Ala	Leu	Thr
	50					55					60				
His	Asn	Gln	Val	Val	Asp	Met	Leu	Val	Glu	Cys	Pro	Lys	Gly	Ser	Glu
65					70					75					80
Val	Thr	Leu	Leu	Val	Gln	Arg	Gly	Gly	Asn	Leu	Ser				
				85					90						

<210> 221
 <211> 102
 <212> PRT
 <213> Homo sapiens

Pro	Asp	Tyr	Gln	Glu	Gln	Asp	Ile	Phe	Leu	Trp	Arg	Lys	Glu	Thr	Gly
1				5					10					15	
Phe	Gly	Phe	Arg	Ile	Leu	Gly	Gly	Asn	Glu	Pro	Gly	Glu	Pro	Ile	Tyr
			20					25					30		
Ile	Gly	His	Ile	Val	Pro	Leu	Gly	Ala	Ala	Asp	Thr	Asp	Gly	Arg	Leu
		35					40					45			
Arg	Ser	Gly	Asp	Glu	Leu	Ile	Cys	Val	Asp	Gly	Thr	Pro	Val	Ile	Gly
	50					55					60				
Lys	Ser	His	Gln	Leu	Val	Val	Gln	Leu	Met	Gln	Gln	Ala	Ala	Lys	Gln
65					70					75					80
Gly	His	Val	Asn	Leu	Thr	Val	Arg	Arg	Lys	Val	Val	Phe	Ala	Val	Pro
				85					90					95	
Lys	Thr	Glu	Asn	Ser	Ser										
				100											

<210> 222
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 222

Gly	Val	Val	Ser	Thr	Val	Val	Gln	Pro	Tyr	Asp	Val	Glu	Ile	Arg	Arg
1				5					10					15	
Gly	Glu	Asn	Glu	Gly	Phe	Gly	Phe	Val	Ile	Val	Ser	Ser	Val	Ser	Arg
		20						25					30		
Pro	Glu	Ala	Gly	Thr	Thr	Phe	Ala	Gly	Asn	Ala	Cys	Val	Ala	Met	Pro
		35					40					45			
His	Lys	Ile	Gly	Arg	Ile	Ile	Glu	Gly	Ser	Pro	Ala	Asp	Arg	Cys	Gly
	50					55					60				
Lys	Leu	Lys	Val	Gly	Asp	Arg	Ile	Leu	Ala	Val	Asn	Gly	Cys	Ser	Ile
65					70					75					80
Thr	Asn	Lys	Ser	His	Ser	Asp	Ile	Val	Asn	Leu	Ile	Lys	Glu	Ala	Gly
				85					90					95	
Asn	Thr	Val	Thr	Leu	Arg	Ile	Ile	Pro	Gly	Asp	Glu	Ser	Ser	Asn	Ala
			100					105						110	

<210> 223

<211> 91

<212> PRT

<213> Homo sapiens

<400> 223

Gln	Ala	Thr	Gln	Glu	Gln	Asp	Phe	Tyr	Thr	Val	Glu	Leu	Glu	Arg	Gly
1				5					10					15	
Ala	Lys	Gly	Phe	Gly	Phe	Ser	Leu	Arg	Gly	Gly	Arg	Glu	Tyr	Asn	Met
		20						25					30		
Asp	Leu	Tyr	Val	Leu	Arg	Leu	Ala	Glu	Asp	Gly	Pro	Ala	Glu	Arg	Cys
		35					40					45			
Gly	Lys	Met	Arg	Ile	Gly	Asp	Glu	Ile	Leu	Glu	Ile	Asn	Gly	Glu	Thr
	50					55					60				
Thr	Lys	Asn	Met	Lys	His	Ser	Arg	Ala	Ile	Glu	Leu	Ile	Lys	Asn	Gly
65					70					75					80
Gly	Arg	Arg	Val	Arg	Leu	Phe	Leu	Lys	Arg	Gly					
				85					90						

<210> 224

<211> 100

<212> PRT

<213> Homo sapiens

<400> 224

Pro	Ala	Lys	Met	Glu	Lys	Glu	Glu	Thr	Thr	Arg	Glu	Leu	Leu	Leu	Pro
1				5					10					15	
Asn	Trp	Gln	Gly	Ser	Gly	Ser	His	Gly	Leu	Thr	Ile	Ala	Gln	Arg	Asp
		20						25					30		
Asp	Gly	Val	Phe	Val	Gln	Glu	Val	Thr	Gln	Asn	Ser	Pro	Ala	Ala	Arg
		35					40					45			
Thr	Gly	Val	Val	Lys	Glu	Gly	Asp	Gln	Ile	Val	Gly	Ala	Thr	Ile	Tyr
	50					55					60				
Phe	Asp	Asn	Leu	Gln	Ser	Gly	Glu	Val	Thr	Gln	Leu	Leu	Asn	Thr	Met
65					70					75					80
Gly	His	His	Thr	Val	Gly	Leu	Lys	Leu	His	Arg	Lys	Gly	Asp	Arg	Ser
				85					90					95	
Pro	Asn	Ser	Ser												
			100												

<210> 225

<211> 97

<212> PRT
 <213> Homo sapiens

<400> 225
 Ser Glu Asn Cys Lys Val Phe Ile Glu Lys Gln Lys Gly Glu Ile Leu
 1 5 10 15
 Gly Val Val Ile Val Glu Ser Gly Trp Gly Ser Ile Leu Pro Thr Val
 20 25 30
 Ile Ile Ala Asn Met Met His Gly Gly Pro Ala Glu Lys Ser Gly Lys
 35 40 45
 Leu Asn Ile Gly Asp Gln Ile Met Ser Ile Asn Gly Thr Ser Leu Val
 50 55 60
 Gly Leu Pro Leu Ser Thr Cys Gln Ser Ile Ile Lys Gly Leu Lys Asn
 65 70 75 80
 Gln Ser Arg Val Lys Leu Asn Ile Val Arg Cys Pro Pro Val Asn Ser
 85 90 95
 Ser

<210> 226
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 226
 Leu Arg Cys Pro Pro Val Thr Thr Val Leu Ile Arg Arg Pro Asp Leu
 1 5 10 15
 Arg Tyr Gln Leu Gly Phe Ser Val Gln Asn Gly Ile Ile Cys Ser Leu
 20 25 30
 Met Arg Gly Gly Ile Ala Glu Arg Gly Gly Val Arg Val Gly His Arg
 35 40 45
 Ile Ile Glu Ile Asn Gly Gln Ser Val Val Ala Thr Pro His Glu Lys
 50 55 60
 Ile Val His Ile Leu Ser Asn Ala Val Gly Glu Ile His Met Lys Thr
 65 70 75 80
 Met Pro Ala Ala Met Tyr Arg Leu Leu Asn Ser Ser
 85 90

<210> 227
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 227
 Leu Ser Asn Ser Asp Asn Cys Arg Glu Val His Leu Glu Lys Arg Arg
 1 5 10 15
 Gly Glu Gly Leu Gly Val Ala Leu Val Glu Ser Gly Trp Gly Ser Leu
 20 25 30
 Leu Pro Thr Ala Val Ile Ala Asn Leu Leu His Gly Gly Pro Ala Glu
 35 40 45
 Arg Ser Gly Ala Leu Ser Ile Gly Asp Arg Leu Thr Ala Ile Asn Gly
 50 55 60
 Thr Ser Leu Val Gly Leu Pro Leu Ala Ala Cys Gln Ala Ala Val Arg
 65 70 75 80
 Glu Thr Lys Ser Gln Thr Ser Val Thr Leu Ser Ile Val His Cys Pro
 85 90 95
 Pro Val Thr Thr Ala Ile Met
 100

<210> 228
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 228
 Leu Val His Cys Pro Pro Val Thr Thr Ala Ile Ile His Arg Pro His
 1 5 10 15
 Ala Arg Glu Gln Leu Gly Phe Cys Val Glu Asp Gly Ile Ile Cys Ser
 20 25 30
 Leu Leu Arg Gly Gly Ile Ala Glu Arg Gly Gly Ile Arg Val Gly His
 35 40 45
 Arg Ile Ile Glu Ile Asn Gly Gln Ser Val Val Ala Thr Pro His Ala
 50 55 60
 Arg Ile Ile Glu Leu Leu Thr Glu Ala Tyr Gly Glu Val His Ile Lys
 65 70 75 80
 Thr Met Pro Ala Ala Thr Tyr Arg Leu Leu Thr Gly
 85 90

<210> 229
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 229
 Arg Lys Val Arg Leu Ile Gln Phe Glu Lys Val Thr Glu Glu Pro Met
 1 5 10 15
 Gly Ile Thr Leu Lys Leu Asn Glu Lys Gln Ser Cys Thr Val Ala Arg
 20 25 30
 Ile Leu His Gly Gly Met Ile His Arg Gln Gly Ser Leu His Val Gly
 35 40 45
 Asp Glu Ile Leu Glu Ile Asn Gly Thr Asn Val Thr Asn His Ser Val
 50 55 60
 Asp Gln Leu Gln Lys Ala Met Lys Glu Thr Lys Gly Met Ile Ser Leu
 65 70 75 80
 Lys Val Ile Pro Asn Gln
 85

<210> 230
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 230
 Pro Val Pro Pro Asp Ala Val Arg Met Val Gly Ile Arg Lys Thr Ala
 1 5 10 15
 Gly Glu His Leu Gly Val Thr Phe Arg Val Glu Gly Gly Glu Leu Val
 20 25 30
 Ile Ala Arg Ile Leu His Gly Gly Met Val Ala Gln Gln Gly Leu Leu
 35 40 45
 His Val Gly Asp Ile Ile Lys Glu Val Asn Gly Gln Pro Val Gly Ser
 50 55 60
 Asp Pro Arg Ala Leu Gln Glu Leu Leu Arg Asn Ala Ser Gly Ser Val
 65 70 75 80
 Ile Leu Lys Ile Leu Pro Asn Tyr Gln
 85

<210> 231
 <211> 99

<212> PRT
 <213> Homo sapiens

<400> 231

Gln	Gly	Arg	His	Val	Glu	Val	Phe	Glu	Leu	Leu	Lys	Pro	Pro	Ser	Gly
1				5					10					15	
Gly	Leu	Gly	Phe	Ser	Val	Val	Gly	Leu	Arg	Ser	Glu	Asn	Arg	Gly	Glu
			20					25					30		
Leu	Gly	Ile	Phe	Val	Gln	Glu	Ile	Gln	Glu	Gly	Ser	Val	Ala	His	Arg
		35					40					45			
Asp	Gly	Arg	Leu	Lys	Glu	Thr	Asp	Gln	Ile	Leu	Ala	Ile	Asn	Gly	Gln
	50					55					60				
Ala	Leu	Asp	Gln	Thr	Ile	Thr	His	Gln	Gln	Ala	Ile	Ser	Ile	Leu	Gln
65					70					75				80	
Lys	Ala	Lys	Asp	Thr	Val	Gln	Leu	Val	Ile	Ala	Arg	Gly	Ser	Leu	Pro
				85					90					95	
Gln	Leu	Val													

<210> 232
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 232

Pro	Val	His	Trp	Gln	His	Met	Glu	Thr	Ile	Glu	Leu	Val	Asn	Asp	Gly
1				5					10					15	
Ser	Gly	Leu	Gly	Phe	Gly	Ile	Ile	Gly	Gly	Lys	Ala	Thr	Gly	Val	Ile
			20					25					30		
Val	Lys	Thr	Ile	Leu	Pro	Gly	Gly	Val	Ala	Asp	Gln	His	Gly	Arg	Leu
		35					40					45			
Cys	Ser	Gly	Asp	His	Ile	Leu	Lys	Ile	Gly	Asp	Thr	Asp	Leu	Ala	Gly
	50					55				60					
Met	Ser	Ser	Glu	Gln	Val	Ala	Gln	Val	Leu	Arg	Gln	Cys	Gly	Asn	Arg
65					70					75				80	
Val	Lys	Leu	Met	Ile	Ala	Arg	Gly	Ala	Ile	Glu	Glu	Arg	Thr	Ala	Pro
				85					90					95	
Thr															

<210> 233
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 233

Gln	Glu	Ser	Glu	Thr	Phe	Asp	Val	Glu	Leu	Thr	Lys	Asn	Val	Gln	Gly
1				5					10					15	
Leu	Gly	Ile	Thr	Ile	Ala	Gly	Tyr	Ile	Gly	Asp	Lys	Lys	Leu	Glu	Pro
			20					25					30		
Ser	Gly	Ile	Phe	Val	Lys	Ser	Ile	Thr	Lys	Ser	Ser	Ala	Val	Glu	His
		35					40					45			
Asp	Gly	Arg	Ile	Gln	Ile	Gly	Asp	Gln	Ile	Ile	Ala	Val	Asp	Gly	Thr
	50					55					60				
Asn	Leu	Gln	Gly	Phe	Thr	Asn	Gln	Gln	Ala	Val	Glu	Val	Leu	Arg	His
65					70					75				80	
Thr	Gly	Gln	Thr	Val	Leu	Leu	Thr	Leu	Met	Arg	Arg	Gly	Met	Lys	Gln
				85					90					95	
Glu	Ala														

<210> 234
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 234
 Leu Asn Tyr Glu Ile Val Val Ala His Val Ser Lys Phe Ser Glu Asn
 1 5 10 15
 Ser Gly Leu Gly Ile Ser Leu Glu Ala Thr Val Gly His His Phe Ile
 20 25 30
 Arg Ser Val Leu Pro Glu Gly Pro Val Gly His Ser Gly Lys Leu Phe
 35 40 45
 Ser Gly Asp Glu Leu Leu Glu Val Asn Gly Ile Thr Leu Leu Gly Glu
 50 55 60
 Asn His Gln Asp Val Val Asn Ile Leu Lys Glu Leu Pro Ile Glu Val
 65 70 75 80
 Thr Met Val Cys Cys Arg Arg Thr Val Pro Pro Thr
 85 90

<210> 235
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 235
 Trp Glu Ala Gly Ile Gln His Ile Glu Leu Glu Lys Gly Ser Lys Gly
 1 5 10 15
 Leu Gly Phe Ser Ile Leu Asp Tyr Gln Asp Pro Ile Asp Pro Ala Ser
 20 25 30
 Thr Val Ile Ile Ile Arg Ser Leu Val Pro Gly Gly Ile Ala Glu Lys
 35 40 45
 Asp Gly Arg Leu Leu Pro Gly Asp Arg Leu Met Phe Val Asn Asp Val
 50 55 60
 Asn Leu Glu Asn Ser Ser Leu Glu Glu Ala Val Glu Ala Leu Lys Gly
 65 70 75 80
 Ala Pro Ser Gly Thr Val Arg Ile Gly Val Ala Lys Pro Leu Pro Leu
 85 90 95
 Ser Pro Glu Glu
 100

<210> 236
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 236
 Arg Asn Val Ser Lys Glu Ser Phe Glu Arg Thr Ile Asn Ile Ala Lys
 1 5 10 15
 Gly Asn Ser Ser Leu Gly Met Thr Val Ser Ala Asn Lys Asp Gly Leu
 20 25 30
 Gly Met Ile Val Arg Ser Ile Ile His Gly Gly Ala Ile Ser Arg Asp
 35 40 45
 Gly Arg Ile Ala Ile Gly Asp Cys Ile Leu Ser Ile Asn Glu Glu Ser
 50 55 60
 Thr Ile Ser Val Thr Asn Ala Gln Ala Arg Ala Met Leu Arg Arg His
 65 70 75 80
 Ser Leu Ile Gly Pro Asp Ile Lys Ile Thr Tyr Val Pro Ala Glu His
 85 90 95

Leu Glu Glu

<210> 237

<211> 112

<212> PRT

<213> Homo sapiens

<400> 237

Leu	Asn	Trp	Asn	Gln	Pro	Arg	Arg	Val	Glu	Leu	Trp	Arg	Glu	Pro	Ser
1				5					10					15	
Lys	Ser	Leu	Gly	Ile	Ser	Ile	Val	Gly	Gly	Arg	Gly	Met	Gly	Ser	Arg
			20					25					30		
Leu	Ser	Asn	Gly	Glu	Val	Met	Arg	Gly	Ile	Phe	Ile	Lys	His	Val	Leu
			35				40					45			
Glu	Asp	Ser	Pro	Ala	Gly	Lys	Asn	Gly	Thr	Leu	Lys	Pro	Gly	Asp	Arg
	50					55					60				
Ile	Val	Glu	Val	Asp	Gly	Met	Asp	Leu	Arg	Asp	Ala	Ser	His	Glu	Gln
65					70					75					80
Ala	Val	Glu	Ala	Ile	Arg	Lys	Ala	Gly	Asn	Pro	Val	Val	Phe	Met	Val
				85					90					95	
Gln	Ser	Ile	Ile	Asn	Arg	Pro	Arg	Lys	Ser	Pro	Leu	Pro	Ser	Leu	Leu
			100					105					110		

<210> 238

<211> 95

<212> PRT

<213> Homo sapiens

<400> 238

Leu	Thr	Gly	Glu	Leu	His	Met	Ile	Glu	Leu	Glu	Lys	Gly	His	Ser	Gly
1				5					10					15	
Leu	Gly	Leu	Ser	Leu	Ala	Gly	Asn	Lys	Asp	Arg	Ser	Arg	Met	Ser	Val
			20					25					30		
Phe	Ile	Val	Gly	Ile	Asp	Pro	Asn	Gly	Ala	Ala	Gly	Lys	Asp	Gly	Arg
		35					40					45			
Leu	Gln	Ile	Ala	Asp	Glu	Leu	Leu	Glu	Ile	Asn	Gly	Gln	Ile	Leu	Tyr
	50					55					60				
Gly	Arg	Ser	His	Gln	Asn	Ala	Ser	Ser	Ile	Ile	Lys	Cys	Ala	Pro	Ser
65					70					75					80
Lys	Val	Lys	Ile	Ile	Phe	Ile	Arg	Asn	Lys	Asp	Ala	Val	Asn	Gln	
				85					90					95	

<210> 239

<211> 94

<212> PRT

<213> Homo sapiens

<400> 239

Leu	Ser	Ser	Phe	Lys	Asn	Val	Gln	His	Leu	Glu	Leu	Pro	Lys	Asp	Gln
1				5					10					15	
Gly	Gly	Leu	Gly	Ile	Ala	Ile	Ser	Glu	Glu	Asp	Thr	Leu	Ser	Gly	Val
			20					25					30		
Ile	Ile	Lys	Ser	Leu	Thr	Glu	His	Gly	Val	Ala	Ala	Thr	Asp	Gly	Arg
		35					40					45			
Leu	Lys	Val	Gly	Asp	Gln	Ile	Leu	Ala	Val	Asp	Asp	Glu	Ile	Val	Val
	50					55					60				
Gly	Tyr	Pro	Ile	Glu	Lys	Phe	Ile	Ser	Leu	Leu	Lys	Thr	Ala	Lys	Met
65					70					75					80

Thr Val Lys Leu Thr Ile His Ala Glu Asn Pro Asp Ser Gln
85 90

<210> 240
<211> 95
<212> PRT
<213> Homo sapiens

<400> 240
Leu Pro Gly Cys Glu Thr Thr Ile Glu Ile Ser Lys Gly Arg Thr Gly
1 5 10 15
Leu Gly Leu Ser Ile Val Gly Gly Ser Asp Thr Leu Leu Gly Ala Ile
20 25 30
Ile Ile His Glu Val Tyr Glu Glu Gly Ala Ala Cys Lys Asp Gly Arg
35 40 45
Leu Trp Ala Gly Asp Gln Ile Leu Glu Val Asn Gly Ile Asp Leu Arg
50 55 60
Lys Ala Thr His Asp Glu Ala Ile Asn Val Leu Arg Gln Thr Pro Gln
65 70 75 80
Arg Val Arg Leu Thr Leu Tyr Arg Asp Glu Ala Pro Tyr Lys Glu
85 90 95

<210> 241
<211> 98
<212> PRT
<213> Homo sapiens

<400> 241
Lys Glu Glu Glu Val Cys Asp Thr Leu Thr Ile Glu Leu Gln Lys Lys
1 5 10 15
Pro Gly Lys Gly Leu Gly Leu Ser Ile Val Gly Lys Arg Asn Asp Thr
20 25 30
Gly Val Phe Val Ser Asp Ile Val Lys Gly Gly Ile Ala Asp Ala Asp
35 40 45
Gly Arg Leu Met Gln Gly Asp Gln Ile Leu Met Val Asn Gly Glu Asp
50 55 60
Val Arg Asn Ala Thr Gln Glu Ala Val Ala Ala Leu Leu Lys Cys Ser
65 70 75 80
Leu Gly Thr Val Thr Leu Glu Val Gly Arg Ile Lys Ala Gly Pro Phe
85 90 95
His Ser

<210> 242
<211> 96
<212> PRT
<213> Homo sapiens

<400> 242
Leu Gln Gly Leu Arg Thr Val Glu Met Lys Lys Gly Pro Thr Asp Ser
1 5 10 15
Leu Gly Ile Ser Ile Ala Gly Gly Val Gly Ser Pro Leu Gly Asp Val
20 25 30
Pro Ile Phe Ile Ala Met Met His Pro Thr Gly Val Ala Ala Gln Thr
35 40 45
Gln Lys Leu Arg Val Gly Asp Arg Ile Val Thr Ile Cys Gly Thr Ser
50 55 60
Thr Glu Gly Met Thr His Thr Gln Ala Val Asn Leu Leu Lys Asn Ala
65 70 75 80

Ser Gly Ser Ile Glu Met Gln Val Val Ala Gly Gly Asp Val Ser Val
85 90 95

<210> 243
<211> 91
<212> PRT
<213> Homo sapiens

<400> 243
Leu Gly Pro Pro Gln Cys Lys Ser Ile Thr Leu Glu Arg Gly Pro Asp
1 5 10 15
Gly Leu Gly Phe Ser Ile Val Gly Gly Tyr Gly Ser Pro His Gly Asp
20 25 30
Leu Pro Ile Tyr Val Lys Thr Val Phe Ala Lys Gly Ala Ala Ser Glu
35 40 45
Asp Gly Arg Leu Lys Arg Gly Asp Gln Ile Ile Ala Val Asn Gly Gln
50 55 60
Ser Leu Glu Gly Val Thr His Glu Glu Ala Val Ala Ile Leu Lys Arg
65 70 75 80
Thr Lys Gly Thr Val Thr Leu Met Val Leu Ser
85 90

<210> 244
<211> 93
<212> PRT
<213> Homo sapiens

<400> 244
Ile Gln Tyr Glu Glu Ile Val Leu Glu Arg Gly Asn Ser Gly Leu Gly
1 5 10 15
Phe Ser Ile Ala Gly Gly Ile Asp Asn Pro His Val Pro Asp Asp Pro
20 25 30
Gly Ile Phe Ile Thr Lys Ile Ile Pro Gly Gly Ala Ala Ala Met Asp
35 40 45
Gly Arg Leu Gly Val Asn Asp Cys Val Leu Arg Val Asn Glu Val Glu
50 55 60
Val Ser Glu Val Val His Ser Arg Ala Val Glu Ala Leu Lys Glu Ala
65 70 75 80
Gly Pro Val Val Arg Leu Val Val Arg Arg Arg Gln Asn
85 90

<210> 245
<211> 90
<212> PRT
<213> Homo sapiens

<400> 245
Ile Thr Leu Leu Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly
1 5 10 15
Gly Ile Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Ile Thr
20 25 30
Lys Ile Ile Glu Gly Gly Ala Ala Gln Lys Asp Gly Arg Leu Gln Ile
35 40 45
Gly Asp Arg Leu Leu Ala Val Asn Asn Thr Asn Leu Gln Asp Val Arg
50 55 60
His Glu Glu Ala Val Ala Ser Leu Lys Asn Thr Ser Asp Met Val Tyr
65 70 75 80
Leu Lys Val Ala Lys Pro Gly Ser Leu Glu
85 90

<210> 246
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 246
 Ile Leu Leu His Lys Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly
 1 5 10 15
 Gly Glu Asp Gly Glu Gly Ile Phe Val Ser Phe Ile Leu Ala Gly Gly
 20 25 30
 Pro Ala Asp Leu Ser Gly Glu Leu Arg Arg Gly Asp Arg Ile Leu Ser
 35 40 45
 Val Asn Gly Val Asn Leu Arg Asn Ala Thr His Glu Gln Ala Ala Ala
 50 55 60
 Ala Leu Lys Arg Ala Gly Gln Ser Val Thr Ile Val Ala Gln Tyr Arg
 65 70 75 80
 Pro Glu Glu Tyr Ser Arg Phe Glu Ser Lys Ile His Asp Leu Arg Glu
 85 90 95
 Gln Met Met Asn Ser Ser Met Ser Ser Gly Ser Gly Ser Leu Arg Thr
 100 105 110
 Ser Glu Lys Arg Ser Leu Glu
 115

<210> 247
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 247
 Cys Val Glu Arg Leu Glu Leu Phe Pro Val Glu Leu Glu Lys Asp Ser
 1 5 10 15
 Glu Gly Leu Gly Ile Ser Ile Ile Gly Met Gly Ala Gly Ala Asp Met
 20 25 30
 Gly Leu Glu Lys Leu Gly Ile Phe Val Lys Thr Val Thr Glu Gly Gly
 35 40 45
 Ala Ala His Arg Asp Gly Arg Ile Gln Val Asn Asp Leu Leu Val Glu
 50 55 60
 Val Asp Gly Thr Ser Leu Val Gly Val Thr Gln Ser Phe Ala Ala Ser
 65 70 75 80
 Val Leu Arg Asn Thr Lys Gly Arg Val Arg Phe Met Ile Gly Arg Glu
 85 90 95
 Arg Pro Gly Glu Gln Ser Glu Val Ala Gln Arg Ile His Arg Asp
 100 105 110

<210> 248
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 248
 Ile Gln Pro Asn Val Ile Ser Val Arg Leu Phe Lys Arg Lys Val Gly
 1 5 10 15
 Gly Leu Gly Phe Leu Val Lys Glu Arg Val Ser Lys Pro Pro Val Ile
 20 25 30
 Ile Ser Asp Leu Ile Arg Gly Gly Ala Ala Glu Gln Ser Gly Leu Ile
 35 40 45
 Gln Ala Gly Asp Ile Ile Leu Ala Val Asn Gly Arg Pro Leu Val Asp
 50 55 60

Leu Ser Tyr Asp Ser Ala Leu Glu Val Leu Arg Gly Ile Ala Ser Glu
 65 70 75 80
 Thr His Val Val Leu Ile Leu Arg Gly Pro
 85 90

<210> 249
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 249
 Gln Ala Asn Ser Asp Glu Ser Asp Ile Ile His Ser Val Arg Val Glu
 1 5 10 15
 Lys Ser Pro Ala Gly Arg Leu Gly Phe Ser Val Arg Gly Gly Ser Glu
 20 25 30
 His Gly Leu Gly Ile Phe Val Ser Lys Val Glu Glu Gly Ser Ser Ala
 35 40 45
 Glu Arg Ala Gly Leu Cys Val Gly Asp Lys Ile Thr Glu Val Asn Gly
 50 55 60
 Leu Ser Leu Glu Ser Thr Thr Met Gly Ser Ala Val Lys Val Leu Thr
 65 70 75 80
 Ser Ser Ser Arg Leu His Met Met Val Arg Arg Met Gly Arg Val Pro
 85 90 95
 Gly Ile Lys Phe Ser Lys Glu Lys Asn Ser Ser
 100 105

<210> 250
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 250
 Pro Ser Asp Thr Ser Ser Glu Asp Gly Val Arg Arg Ile Val His Leu
 1 5 10 15
 Tyr Thr Thr Ser Asp Asp Phe Cys Leu Gly Phe Asn Ile Arg Gly Gly
 20 25 30
 Lys Glu Phe Gly Leu Gly Ile Tyr Val Ser Lys Val Asp His Gly Gly
 35 40 45
 Leu Ala Glu Glu Asn Gly Ile Lys Val Gly Asp Gln Val Leu Ala Ala
 50 55 60
 Asn Gly Val Arg Phe Asp Asp Ile Ser His Ser Gln Ala Val Glu Val
 65 70 75 80
 Leu Lys Gly Gln Thr His Ile Met Leu Thr Ile Lys Glu Thr Gly Arg
 85 90 95
 Tyr Pro Ala Tyr Lys Glu Met Asn Ser Ser
 100 105

<210> 251
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 251
 Lys Ile Lys Lys Phe Leu Thr Glu Ser His Asp Arg Gln Ala Lys Gly
 1 5 10 15
 Lys Ala Ile Thr Lys Lys Lys Tyr Ile Gly Ile Arg Met Met Ser Leu
 20 25 30
 Thr Ser Ser Lys Ala Lys Glu Leu Lys Asp Arg His Arg Asp Phe Pro
 35 40 45

Asp	Val	Ile	Ser	Gly	Ala	Tyr	Ile	Ile	Glu	Val	Ile	Pro	Asp	Thr	Pro
50						55					60				
Ala	Glu	Ala	Gly	Gly	Leu	Lys	Glu	Asn	Asp	Val	Ile	Ile	Ser	Ile	Asn
65					70					75					80
Gly	Gln	Ser	Val	Val	Ser	Ala	Asn	Asp	Val	Ser	Asp	Val	Ile	Lys	Arg
				85					90					95	
Glu	Ser	Thr	Leu	Asn	Met	Val	Val	Arg	Arg	Gly	Asn	Glu	Asp	Ile	Met
			100					105						110	
Ile	Thr	Val													
		115													

<210> 252
 <211> 100
 <212> PRT
 <213> Homo sapiens

Pro	Asp	Gly	Glu	Ile	Thr	Ser	Ile	Lys	Ile	Asn	Arg	Val	Asp	Pro	Ser
1				5					10					15	
Glu	Ser	Leu	Ser	Ile	Arg	Leu	Val	Gly	Gly	Ser	Glu	Thr	Pro	Leu	Val
		20						25					30		
His	Ile	Ile	Ile	Gln	His	Ile	Tyr	Arg	Asp	Gly	Val	Ile	Ala	Arg	Asp
		35					40					45			
Gly	Arg	Leu	Leu	Pro	Gly	Asp	Ile	Ile	Leu	Lys	Val	Asn	Gly	Met	Asp
	50					55					60				
Ile	Ser	Asn	Val	Pro	His	Asn	Tyr	Ala	Val	Arg	Leu	Leu	Arg	Gln	Pro
65					70					75					80
Cys	Gln	Val	Leu	Trp	Leu	Thr	Val	Met	Arg	Glu	Gln	Lys	Phe	Arg	Ser
				85					90					95	
Arg	Asn	Ser	Ser												
			100												

<210> 253
 <211> 101
 <212> PRT
 <213> Homo sapiens

His	Arg	Pro	Arg	Asp	Asp	Ser	Phe	His	Val	Ile	Leu	Asn	Lys	Ser	Ser
1				5					10					15	
Pro	Glu	Glu	Gln	Leu	Gly	Ile	Lys	Leu	Val	Arg	Lys	Val	Asp	Glu	Pro
			20					25					30		
Gly	Val	Phe	Ile	Phe	Asn	Val	Leu	Asp	Gly	Gly	Val	Ala	Tyr	Arg	His
		35					40					45			
Gly	Gln	Leu	Glu	Glu	Asn	Asp	Arg	Val	Leu	Ala	Ile	Asn	Gly	His	Asp
	50					55					60				
Leu	Arg	Tyr	Gly	Ser	Pro	Glu	Ser	Ala	Ala	His	Leu	Ile	Gln	Ala	Ser
65					70					75					80
Glu	Arg	Arg	Val	His	Leu	Val	Val	Ser	Arg	Gln	Val	Arg	Gln	Arg	Ser
				85					90					95	
Pro	Glu	Asn	Ser	Ser											
			100												

<210> 254
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 254

Pro	Thr	Ile	Thr	Cys	His	Glu	Lys	Val	Val	Asn	Ile	Gln	Lys	Asp	Pro
1				5					10					15	
Gly	Glu	Ser	Leu	Gly	Met	Thr	Val	Ala	Gly	Gly	Ala	Ser	His	Arg	Glu
			20					25					30		
Trp	Asp	Leu	Pro	Ile	Tyr	Val	Ile	Ser	Val	Glu	Pro	Gly	Gly	Val	Ile
		35					40					45			
Ser	Arg	Asp	Gly	Arg	Ile	Lys	Thr	Gly	Asp	Ile	Leu	Leu	Asn	Val	Asp
	50					55					60				
Gly	Val	Glu	Leu	Thr	Glu	Val	Ser	Arg	Ser	Glu	Ala	Val	Ala	Leu	Leu
65					70					75					80
Lys	Arg	Thr	Ser	Ser	Ser	Ile	Val	Leu	Lys	Ala	Leu	Glu	Val	Lys	Glu
				85					90					95	
Tyr	Glu	Pro	Gln	Glu	Phe	Ile	Val								
				100											

<210> 255
 <211> 99
 <212> PRT
 <213> Homo sapiens

Pro	Arg	Cys	Leu	Tyr	Asn	Cys	Lys	Asp	Ile	Val	Leu	Arg	Arg	Asn	Thr
1				5					10					15	
Ala	Gly	Ser	Leu	Gly	Phe	Cys	Ile	Val	Gly	Gly	Tyr	Glu	Glu	Tyr	Asn
			20					25					30		
Gly	Asn	Lys	Pro	Phe	Phe	Ile	Lys	Ser	Ile	Val	Glu	Gly	Thr	Pro	Ala
		35					40					45			
Tyr	Asn	Asp	Gly	Arg	Ile	Arg	Cys	Gly	Asp	Ile	Leu	Leu	Ala	Val	Asn
	50					55					60				
Gly	Arg	Ser	Thr	Ser	Gly	Met	Ile	His	Ala	Cys	Leu	Ala	Arg	Leu	Leu
65					70					75					80
Lys	Glu	Leu	Lys	Gly	Arg	Ile	Thr	Leu	Thr	Ile	Val	Ser	Trp	Pro	Gly
				85					90					95	
Thr	Phe	Leu													

<210> 256
 <211> 101
 <212> PRT
 <213> Homo sapiens

Leu	Leu	Thr	Glu	Glu	Glu	Ile	Asn	Leu	Thr	Arg	Gly	Pro	Ser	Gly	Leu
1				5					10					15	
Gly	Phe	Asn	Ile	Val	Gly	Gly	Thr	Asp	Gln	Gln	Tyr	Val	Ser	Asn	Asp
			20					25					30		
Ser	Gly	Ile	Tyr	Val	Ser	Arg	Ile	Lys	Glu	Asn	Gly	Ala	Ala	Ala	Leu
		35					40					45			
Asp	Gly	Arg	Leu	Gln	Glu	Gly	Asp	Lys	Ile	Leu	Ser	Val	Asn	Gly	Gln
	50					55					60				
Asp	Leu	Lys	Asn	Leu	Leu	His	Gln	Asp	Ala	Val	Asp	Leu	Phe	Arg	Asn
65					70					75					80
Ala	Gly	Tyr	Ala	Val	Ser	Leu	Arg	Val	Gln	His	Arg	Leu	Gln	Val	Gln
				85					90					95	
Asn	Gly	Ile	His	Ser											
				100											

<210> 257
 <211> 94

<212> PRT
 <213> Homo sapiens

<400> 257
 Pro Val Asp Ala Ile Arg Ile Leu Gly Ile His Lys Arg Ala Gly Glu
 1 5 10 15
 Pro Leu Gly Val Thr Phe Arg Val Glu Asn Asn Asp Leu Val Ile Ala
 20 25 30
 Arg Ile Leu His Gly Gly Met Ile Asp Arg Gln Gly Leu Leu His Val
 35 40 45
 Gly Asp Ile Ile Lys Glu Val Asn Gly His Glu Val Gly Asn Asn Pro
 50 55 60
 Lys Glu Leu Gln Glu Leu Leu Lys Asn Ile Ser Gly Ser Val Thr Leu
 65 70 75 80
 Lys Ile Leu Pro Ser Tyr Arg Asp Thr Ile Thr Pro Gln Gln
 85 90

<210> 258
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 258
 Asp Asp Met Val Lys Leu Val Glu Val Pro Asn Asp Gly Gly Pro Leu
 1 5 10 15
 Gly Ile His Val Val Pro Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly
 20 25 30
 Leu Leu Val Lys Arg Leu Glu Lys Gly Gly Lys Ala Glu His Glu Asn
 35 40 45
 Leu Phe Arg Glu Asn Asp Cys Ile Val Arg Ile Asn Asp Gly Asp Leu
 50 55 60
 Arg Asn Arg Arg Phe Glu Gln Ala Gln His Met Phe Arg Gln Ala Met
 65 70 75 80
 Arg Thr Pro Ile Ile Trp Phe His Val Val Pro Ala Ala
 85 90

<210> 259
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 259
 Gly Lys Arg Leu Asn Ile Gln Leu Lys Lys Gly Thr Glu Gly Leu Gly
 1 5 10 15
 Phe Ser Ile Thr Ser Arg Asp Val Thr Ile Gly Gly Ser Ala Pro Ile
 20 25 30
 Tyr Val Lys Asn Ile Leu Pro Arg Gly Ala Ala Ile Gln Asp Gly Arg
 35 40 45
 Leu Lys Ala Gly Asp Arg Leu Ile Glu Val Asn Gly Val Asp Leu Val
 50 55 60
 Gly Lys Ser Gln Glu Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met
 65 70 75 80
 Glu Gly Thr Val Ser Leu Leu Val Phe Arg Gln Glu Asp Ala
 85 90

<210> 260
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 260

```
Thr Pro Asp Gly Thr Arg Glu Phe Leu Thr Phe Glu Val Pro Leu Asn
1          5          10          15
Asp Ser Gly Ser Ala Gly Leu Gly Val Ser Val Lys Gly Asn Arg Ser
20          25          30
Lys Glu Asn His Ala Asp Leu Gly Ile Phe Val Lys Ser Ile Ile Asn
35          40          45
Gly Gly Ala Ala Ser Lys Asp Gly Arg Leu Arg Val Asn Asp Gln Leu
50          55          60
Ile Ala Val Asn Gly Glu Ser Leu Leu Gly Lys Thr Asn Gln Asp Ala
65          70          75          80
Met Glu Thr Leu Arg Arg Ser Met Ser Thr Glu Gly Asn Lys Arg Gly
85          90          95
Met Ile Gln Leu Ile Val Ala
100
```

<210> 261

<211> 102

<212> PRT

<213> Homo sapiens

<400> 261

```
Leu Pro Glu Thr His Arg Arg Val Arg Leu His Lys His Gly Ser Asp
1          5          10          15
Arg Pro Leu Gly Phe Tyr Ile Arg Asp Gly Met Ser Val Arg Val Ala
20          25          30
Pro Gln Gly Leu Glu Arg Val Pro Gly Ile Phe Ile Ser Arg Leu Val
35          40          45
Arg Gly Gly Leu Ala Glu Ser Thr Gly Leu Leu Ala Val Ser Asp Glu
50          55          60
Ile Leu Glu Val Asn Gly Ile Glu Val Ala Gly Lys Thr Leu Asp Gln
65          70          75          80
Val Thr Asp Met Met Val Ala Asn Ser His Asn Leu Ile Val Thr Val
85          90          95
Lys Pro Ala Asn Gln Arg
100
```

<210> 262

<211> 111

<212> PRT

<213> Homo sapiens

<400> 262

```
Ile Asp Val Asp Leu Val Pro Glu Thr His Arg Arg Val Arg Leu His
1          5          10          15
Arg His Gly Cys Glu Lys Pro Leu Gly Phe Tyr Ile Arg Asp Gly Ala
20          25          30
Ser Val Arg Val Thr Pro His Gly Leu Glu Lys Val Pro Gly Ile Phe
35          40          45
Ile Ser Arg Met Val Pro Gly Gly Leu Ala Glu Ser Thr Gly Leu Leu
50          55          60
Ala Val Asn Asp Glu Val Leu Glu Val Asn Gly Ile Glu Val Ala Gly
65          70          75          80
Lys Thr Leu Asp Gln Val Thr Asp Met Met Ile Ala Asn Ser His Asn
85          90          95
Leu Ile Val Thr Val Lys Pro Ala Asn Gln Arg Asn Asn Val Val
100          105          110
```

<210> 263
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 263
 Arg Ser Arg Lys Leu Lys Glu Val Arg Leu Asp Arg Leu His Pro Glu
 1 5 10 15
 Gly Leu Gly Leu Ser Val Arg Gly Gly Leu Glu Phe Gly Cys Gly Leu
 20 25 30
 Phe Ile Ser His Leu Ile Lys Gly Gly Gln Ala Asp Ser Val Gly Leu
 35 40 45
 Gln Val Gly Asp Glu Ile Val Arg Ile Asn Gly Tyr Ser Ile Ser Ser
 50 55 60
 Cys Thr His Glu Glu Val Ile Asn Leu Ile Arg Thr Lys Lys Thr Val
 65 70 75 80
 Ser Ile Lys Val Arg His Ile Gly Leu Ile Pro Val Lys Ser Ser Pro
 85 90 95
 Asp Glu Phe His
 100

<210> 264
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ile Pro Gly Asn Arg Glu Asn Lys Glu Lys Lys Val Phe Ile Ser Leu
 1 5 10 15
 Val Gly Ser Arg Gly Leu Gly Cys Ser Ile Ser Ser Gly Pro Ile Gln
 20 25 30
 Lys Pro Gly Ile Phe Ile Ser His Val Lys Pro Gly Ser Leu Ser Ala
 35 40 45
 Glu Val Gly Leu Glu Ile Gly Asp Gln Ile Val Glu Val Asn Gly Val
 50 55 60
 Asp Phe Ser Asn Leu Asp His Lys Glu Ala Val Asn Val Leu Lys Ser
 65 70 75 80
 Ser Arg Ser Leu Thr Ile Ser Ile Val Ala Ala Ala Gly Arg Glu Leu
 85 90 95
 Phe Met Thr Asp Glu Phe
 100

<210> 265
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 265
 Pro Glu Gln Ile Met Gly Lys Asp Val Arg Leu Leu Arg Ile Lys Lys
 1 5 10 15
 Glu Gly Ser Leu Asp Leu Ala Leu Glu Gly Gly Val Asp Ser Pro Ile
 20 25 30
 Gly Lys Val Val Val Ser Ala Val Tyr Glu Arg Gly Ala Ala Glu Arg
 35 40 45
 His Gly Gly Ile Val Lys Gly Asp Glu Ile Met Ala Ile Asn Gly Lys
 50 55 60
 Ile Val Thr Asp Tyr Thr Leu Ala Glu Ala Asp Ala Ala Leu Gln Lys
 65 70 75 80
 Ala Trp Asn Gln Gly Gly Asp Trp Ile Asp Leu Val Val Ala Val Cys
 85 90 95

Pro Pro Lys Glu Tyr Asp Asp
100

<210> 266
<211> 103
<212> PRT
<213> Homo sapiens

<400> 266
Leu Thr Ser Thr Phe Asn Pro Arg Glu Cys Lys Leu Ser Lys Gln Glu
1 5 10 15
Gly Gln Asn Tyr Gly Phe Phe Leu Arg Ile Glu Lys Asp Thr Glu Gly
20 25 30
His Leu Val Arg Val Val Glu Lys Cys Ser Pro Ala Glu Lys Ala Gly
35 40 45
Leu Gln Asp Gly Asp Arg Val Leu Arg Ile Asn Gly Val Phe Val Asp
50 55 60
Lys Glu Glu His Met Gln Val Val Asp Leu Val Arg Lys Ser Gly Asn
65 70 75 80
Ser Val Thr Leu Leu Val Leu Asp Gly Asp Ser Tyr Glu Lys Ala Gly
85 90 95
Ser Pro Gly Ile His Arg Asp
100

<210> 267
<211> 92
<212> PRT
<213> Homo sapiens

<400> 267
Arg Leu Cys Tyr Leu Val Lys Glu Gly Gly Ser Tyr Gly Phe Ser Leu
1 5 10 15
Lys Thr Val Gln Gly Lys Lys Gly Val Tyr Met Thr Asp Ile Thr Pro
20 25 30
Gln Gly Val Ala Met Arg Ala Gly Val Leu Ala Asp Asp His Leu Ile
35 40 45
Glu Val Asn Gly Glu Asn Val Glu Asp Ala Ser His Glu Glu Val Val
50 55 60
Glu Lys Val Lys Lys Ser Gly Ser Arg Val Met Phe Leu Leu Val Asp
65 70 75 80
Lys Glu Thr Asp Lys Arg Glu Phe Ile Val Thr Asp
85 90

<210> 268
<211> 112
<212> PRT
<213> Homo sapiens

<400> 268
Gln Phe Lys Arg Glu Thr Ala Ser Leu Lys Leu Leu Pro His Gln Pro
1 5 10 15
Arg Ile Val Glu Met Lys Lys Gly Ser Asn Gly Tyr Gly Phe Tyr Leu
20 25 30
Arg Ala Gly Ser Glu Gln Lys Gly Gln Ile Ile Lys Asp Ile Asp Ser
35 40 45
Gly Ser Pro Ala Glu Glu Ala Gly Leu Lys Asn Asn Asp Leu Val Val
50 55 60
Ala Val Asn Gly Glu Ser Val Glu Thr Leu Asp His Asp Ser Val Val
65 70 75 80

Glu	Met	Ile	Arg	Lys	Gly	Gly	Asp	Gln	Thr	Ser	Leu	Leu	Val	Val	Asp
				85					90					95	
Lys	Glu	Thr	Asp	Asn	Met	Tyr	Arg	Leu	Ala	Glu	Phe	Ile	Val	Thr	Asp
			100					105					110		

<210> 269
 <211> 95
 <212> PRT
 <213> Homo sapiens

Pro	Asp	Thr	Thr	Glu	Glu	Val	Asp	His	Lys	Pro	Lys	Leu	Cys	Arg	Leu
1				5					10					15	
Ala	Lys	Gly	Glu	Asn	Gly	Tyr	Gly	Phe	His	Leu	Asn	Ala	Ile	Arg	Gly
			20					25					30		
Leu	Pro	Gly	Ser	Phe	Ile	Lys	Glu	Val	Gln	Lys	Gly	Gly	Pro	Ala	Asp
		35					40					45			
Leu	Ala	Gly	Leu	Glu	Asp	Glu	Asp	Val	Ile	Ile	Glu	Val	Asn	Gly	Val
	50					55					60				
Asn	Val	Leu	Asp	Glu	Pro	Tyr	Glu	Lys	Val	Val	Asp	Arg	Ile	Gln	Ser
65					70					75				80	
Ser	Gly	Lys	Asn	Val	Thr	Leu	Leu	Val	Glx	Gly	Lys	Asn	Ser	Ser	
				85					90					95	

<210> 270
 <211> 89
 <212> PRT
 <213> Homo sapiens

Pro	Thr	Val	Pro	Gly	Lys	Val	Thr	Leu	Gln	Lys	Asp	Ala	Gln	Asn	Leu
1				5					10					15	
Ile	Gly	Ile	Ser	Ile	Gly	Gly	Gly	Ala	Gln	Tyr	Cys	Pro	Cys	Leu	Tyr
			20					25					30		
Ile	Val	Gln	Val	Phe	Asp	Asn	Thr	Pro	Ala	Ala	Leu	Asp	Gly	Thr	Val
		35					40					45			
Ala	Ala	Gly	Asp	Glu	Ile	Thr	Gly	Val	Asn	Gly	Arg	Ser	Ile	Lys	Gly
	50					55					60				
Lys	Thr	Lys	Val	Glu	Val	Ala	Lys	Met	Ile	Gln	Glu	Val	Lys	Gly	Glu
65					70					75				80	
Val	Thr	Ile	His	Tyr	Asn	Lys	Leu	Gln							
					85										

<210> 271
 <211> 98
 <212> PRT
 <213> Homo sapiens

Ser	Gln	Gly	Val	Gly	Pro	Ile	Arg	Lys	Val	Leu	Leu	Leu	Lys	Glu	Asp
1				5					10					15	
His	Glu	Gly	Leu	Gly	Ile	Ser	Ile	Thr	Gly	Gly	Lys	Glu	His	Gly	Val
			20					25					30		
Pro	Ile	Leu	Ile	Ser	Glu	Ile	His	Pro	Gly	Gln	Pro	Ala	Asp	Arg	Cys
		35					40					45			
Gly	Gly	Leu	His	Val	Gly	Asp	Ala	Ile	Leu	Ala	Val	Asn	Gly	Val	Asn
	50					55					60				
Leu	Arg	Asp	Thr	Lys	His	Lys	Glu	Ala	Val	Thr	Ile	Leu	Ser	Gln	Gln
65					70					75				80	

Arg Gly Glu Ile Glu Phe Glu Val Val Tyr Val Ala Pro Glu Val Asp
85 90 95
Ser Asp

<210> 272
<211> 97
<212> PRT
<213> Homo sapiens

<400> 272
Ile His Val Thr Ile Leu His Lys Glu Glu Gly Ala Gly Leu Gly Phe
1 5 10 15
Ser Leu Ala Gly Gly Ala Asp Leu Glu Asn Lys Val Ile Thr Val His
20 25 30
Arg Val Phe Pro Asn Gly Leu Ala Ser Gln Glu Gly Thr Ile Gln Lys
35 40 45
Gly Asn Glu Val Leu Ser Ile Asn Gly Lys Ser Leu Lys Gly Thr Thr
50 55 60
His His Asp Ala Leu Ala Ile Leu Arg Gln Ala Arg Glu Pro Arg Gln
65 70 75 80
Ala Val Ile Val Thr Arg Lys Leu Thr Pro Glu Glu Phe Ile Val Thr
85 90 95
Asp

<210> 273
<211> 98
<212> PRT
<213> Homo sapiens

<400> 273
Thr Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Met Ser Ala
1 5 10 15
Gly Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp
20 25 30
Lys Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln
35 40 45
Ser Glu Thr Val Gln Pro Gly Asp Glu Ile Leu Gln Leu Gly Gly Thr
50 55 60
Ala Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala
65 70 75 80
Leu Pro Asp Gly Pro Val Thr Ile Val Ile Arg Arg Lys Ser Leu Gln
85 90 95
Ser Lys

<210> 274
<211> 98
<212> PRT
<213> Homo sapiens

<400> 274
Leu Glu Tyr Glu Ile Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe
1 5 10 15
Ser Ile Ala Gly Gly Thr Asp Asn Pro His Ile Gly Asp Asp Pro Ser
20 25 30
Ile Phe Ile Thr Lys Ile Ile Pro Gly Gly Ala Ala Ala Gln Asp Gly
35 40 45

Arg Leu Arg Val Asn Asp Ser Ile Leu Phe Val Asn Glu Val Asp Val
50 55 60
Arg Glu Val Thr His Ser Ala Ala Val Glu Ala Leu Lys Glu Ala Gly
65 70 75 80
Ser Ile Val Arg Leu Tyr Val Met Arg Arg Lys Pro Pro Ala Glu Asn
85 90 95
Ser Ser

<210> 275
<211> 105
<212> PRT
<213> Homo sapiens

<400> 275
His Val Met Arg Arg Lys Pro Pro Ala Glu Lys Val Met Glu Ile Lys
1 5 10 15
Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val
20 25 30
Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile
35 40 45
Ile Glu Gly Gly Ala Ala His Lys Asp Gly Arg Leu Gln Ile Gly Asp
50 55 60
Lys Ile Leu Ala Val Asn Ser Val Gly Leu Glu Asp Val Met His Glu
65 70 75 80
Asp Ala Val Ala Ala Leu Lys Asn Thr Tyr Asp Val Val Tyr Leu Lys
85 90 95
Val Ala Lys Pro Ser Asn Ala Tyr Leu
100 105

<210> 276
<211> 97
<212> PRT
<213> Homo sapiens

<400> 276
Arg Glu Asp Ile Pro Arg Glu Pro Arg Arg Ile Val Ile His Arg Gly
1 5 10 15
Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly Glu Asp Gly Glu Gly
20 25 30
Ile Phe Ile Ser Phe Ile Leu Ala Gly Gly Pro Ala Asp Leu Ser Gly
35 40 45
Glu Leu Arg Lys Gly Asp Gln Ile Leu Ser Val Asn Gly Val Asp Leu
50 55 60
Arg Asn Ala Ser His Glu Gln Ala Ala Ile Ala Leu Lys Asn Ala Gly
65 70 75 80
Gln Thr Val Thr Ile Ile Ala Gln Tyr Lys Pro Glu Phe Ile Val Thr
85 90 95
Asp

<210> 277
<211> 88
<212> PRT
<213> Homo sapiens

<400> 277
Leu Ile Arg Ile Thr Pro Asp Glu Asp Gly Lys Phe Gly Phe Asn Leu
1 5 10 15
78

Lys	Gly	Gly	Val	Asp	Gln	Lys	Met	Pro	Leu	Val	Val	Ser	Arg	Ile	Asn	
			20					25					30			
Pro	Glu	Ser	Pro	Ala	Asp	Thr	Cys	Ile	Pro	Lys	Leu	Asn	Glu	Gly	Asp	
		35					40					45				
Gln	Ile	Val	Leu	Ile	Asn	Gly	Arg	Asp	Ile	Ser	Glu	His	Thr	His	Asp	
	50					55					60					
Gln	Val	Val	Met	Phe	Ile	Lys	Ala	Ser	Arg	Glu	Ser	His	Ser	Arg	Glu	
65					70					75					80	
Leu	Ala	Leu	Val	Ile	Arg	Arg	Arg									
				85												

<210> 278
 <211> 88
 <212> PRT
 <213> Homo sapiens

Ile	Arg	Met	Lys	Pro	Asp	Glu	Asn	Gly	Arg	Phe	Gly	Phe	Asn	Val	Lys	
1				5					10				15			
Gly	Gly	Tyr	Asp	Gln	Lys	Met	Pro	Val	Ile	Val	Ser	Arg	Val	Ala	Pro	
			20					25					30			
Gly	Thr	Pro	Ala	Asp	Leu	Cys	Val	Pro	Arg	Leu	Asn	Glu	Gly	Asp	Gln	
		35				40					45					
Val	Val	Leu	Ile	Asn	Gly	Arg	Asp	Ile	Ala	Glu	His	Thr	His	Asp	Gln	
	50				55						60					
Val	Val	Leu	Phe	Ile	Lys	Ala	Ser	Cys	Glu	Arg	His	Ser	Gly	Glu	Leu	
65					70					75					80	
Met	Leu	Leu	Val	Arg	Pro	Asn	Ala									
				85												

<210> 279
 <211> 106
 <212> PRT
 <213> Homo sapiens

Pro	Glu	Arg	Glu	Ile	Thr	Leu	Val	Asn	Leu	Lys	Lys	Asp	Ala	Lys	Tyr	
1				5					10					15		
Gly	Leu	Gly	Phe	Gln	Ile	Ile	Gly	Gly	Glu	Lys	Met	Gly	Arg	Leu	Asp	
			20					25					30			
Leu	Gly	Ile	Phe	Ile	Ser	Ser	Val	Ala	Pro	Gly	Gly	Pro	Ala	Asp	Phe	
		35				40						45				
His	Gly	Cys	Leu	Lys	Pro	Gly	Asp	Arg	Leu	Ile	Ser	Val	Asn	Ser	Val	
	50					55					60					
Ser	Leu	Glu	Gly	Val	Ser	His	His	Ala	Ala	Ile	Glu	Ile	Leu	Gln	Asn	
65					70					75					80	
Ala	Pro	Glu	Asp	Val	Thr	Leu	Val	Ile	Ser	Gln	Pro	Lys	Glu	Lys	Ile	
				85					90					95		
Ser	Lys	Val	Pro	Ser	Thr	Pro	Val	His	Leu							
			100					105								

<210> 280
 <211> 95
 <212> PRT
 <213> Homo sapiens

Gly	Asp	Ile	Phe	Glu	Val	Glu	Leu	Ala	Lys	Asn	Asp	Asn	Ser	Leu	Gly	
1				5					10					15		

Ile	Ser	Val	Thr	Gly	Gly	Val	Asn	Thr	Ser	Val	Arg	His	Gly	Gly	Ile
		20					25					30			
Tyr	Val	Lys	Ala	Val	Ile	Pro	Gln	Gly	Ala	Ala	Glu	Ser	Asp	Gly	Arg
		35				40					45				
Ile	His	Lys	Gly	Asp	Arg	Val	Leu	Ala	Val	Asn	Gly	Val	Ser	Leu	Glu
	50					55				60					
Gly	Ala	Thr	His	Lys	Gln	Ala	Val	Glu	Thr	Leu	Arg	Asn	Thr	Gly	Gln
65					70					75					80
Val	Val	His	Leu	Leu	Leu	Glu	Lys	Gly	Gln	Ser	Pro	Thr	Ser	Lys	
			85					90						95	

<210> 281
 <211> 104
 <212> PRT
 <213> Homo sapiens

Thr	Glu	Glu	Asn	Thr	Phe	Glu	Val	Lys	Leu	Phe	Lys	Asn	Ser	Ser	Gly
1			5					10					15		
Leu	Gly	Phe	Ser	Phe	Ser	Arg	Glu	Asp	Asn	Leu	Ile	Pro	Glu	Gln	Ile
		20					25					30			
Asn	Ala	Ser	Ile	Val	Arg	Val	Lys	Leu	Phe	Ala	Gly	Gln	Pro	Ala	
		35				40				45					
Ala	Glu	Ser	Gly	Lys	Ile	Asp	Val	Gly	Asp	Val	Ile	Leu	Lys	Val	Asn
	50				55					60					
Gly	Ala	Ser	Leu	Lys	Gly	Leu	Ser	Gln	Gln	Glu	Val	Ile	Ser	Ala	Leu
65					70					75					80
Arg	Gly	Thr	Ala	Pro	Glu	Val	Phe	Leu	Leu	Leu	Cys	Arg	Pro	Pro	Pro
			85					90						95	
Gly	Val	Leu	Pro	Glu	Ile	Asp	Thr								
			100												

<210> 282
 <211> 98
 <212> PRT
 <213> Homo sapiens

Glu	Leu	Glu	Val	Glu	Leu	Leu	Ile	Thr	Leu	Ile	Lys	Ser	Glu	Lys	Ala
1			5					10					15		
Ser	Leu	Gly	Phe	Thr	Val	Thr	Lys	Gly	Asn	Gln	Arg	Ile	Gly	Cys	Tyr
		20					25					30			
Val	His	Asp	Val	Ile	Gln	Asp	Pro	Ala	Lys	Ser	Asp	Gly	Arg	Leu	Lys
		35				40					45				
Pro	Gly	Asp	Arg	Leu	Ile	Lys	Val	Asn	Asp	Thr	Asp	Val	Thr	Asn	Met
	50				55					60					
Thr	His	Thr	Asp	Ala	Val	Asn	Leu	Leu	Arg	Ala	Ala	Ser	Lys	Thr	Val
65					70					75					80
Arg	Leu	Val	Ile	Gly	Arg	Val	Leu	Glu	Leu	Pro	Arg	Ile	Pro	Met	Leu
			85					90						95	
Pro	His														

<210> 283
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 283

Met	Leu	Pro	His	Leu	Leu	Pro	Asp	Ile	Thr	Leu	Thr	Cys	Asn	Lys	Glu
1				5					10					15	
Glu	Leu	Gly	Phe	Ser	Leu	Cys	Gly	Gly	His	Asp	Ser	Leu	Tyr	Gln	Val
			20					25					30		
Val	Tyr	Ile	Ser	Asp	Ile	Asn	Pro	Arg	Ser	Val	Ala	Ala	Ile	Glu	Gly
		35					40					45			
Asn	Leu	Gln	Leu	Leu	Asp	Val	Ile	His	Tyr	Val	Asn	Gly	Val	Ser	Thr
	50					55					60				
Gln	Gly	Met	Thr	Leu	Glu	Glu	Val	Asn	Arg	Ala	Leu	Asp	Met	Ser	Leu
65					70					75					80
Pro	Ser	Leu	Val	Leu	Lys	Ala	Thr	Arg	Asn	Asp	Leu	Pro	Val		
				85					90						

<210> 284
 <211> 93
 <212> PRT
 <213> Homo sapiens

Arg	Pro	Ser	Pro	Pro	Arg	Val	Arg	Ser	Val	Glu	Val	Ala	Arg	Gly	Arg
1				5					10					15	
Ala	Gly	Tyr	Gly	Phe	Thr	Leu	Ser	Gly	Gln	Ala	Pro	Cys	Val	Leu	Ser
			20					25					30		
Cys	Val	Met	Arg	Gly	Ser	Pro	Ala	Asp	Phe	Val	Gly	Leu	Arg	Ala	Gly
		35					40					45			
Asp	Gln	Ile	Leu	Ala	Val	Asn	Glu	Ile	Asn	Val	Lys	Lys	Ala	Ser	His
	50					55					60				
Glu	Asp	Val	Val	Lys	Leu	Ile	Gly	Lys	Cys	Ser	Gly	Val	Leu	His	Met
65					70					75					80
Val	Ile	Ala	Glu	Gly	Val	Gly	Arg	Phe	Glu	Ser	Cys	Ser			
				85					90						

<210> 285
 <211> 96
 <212> PRT
 <213> Homo sapiens

Leu	Cys	Ser	Glu	Arg	Arg	Tyr	Arg	Gln	Ile	Thr	Ile	Pro	Arg	Gly	Lys
1				5					10					15	
Asp	Gly	Phe	Gly	Phe	Thr	Ile	Cys	Cys	Asp	Ser	Pro	Val	Arg	Val	Gln
			20					25					30		
Ala	Val	Asp	Ser	Gly	Gly	Pro	Ala	Glu	Arg	Ala	Gly	Leu	Gln	Gln	Leu
		35					40					45			
Asp	Thr	Val	Leu	Gln	Leu	Asn	Glu	Arg	Pro	Val	Glu	His	Trp	Lys	Cys
	50					55					60				
Val	Glu	Leu	Ala	His	Glu	Ile	Arg	Ser	Cys	Pro	Ser	Glu	Ile	Ile	Leu
65					70					75					80
Leu	Val	Trp	Arg	Met	Val	Pro	Gln	Val	Lys	Pro	Gly	Ile	His	Arg	Asp
				85					90					95	

<210> 286
 <211> 104
 <212> PRT
 <213> Homo sapiens

Ile	Ser	Phe	Ser	Ala	Asn	Lys	Arg	Trp	Thr	Pro	Pro	Arg	Ser	Ile	Arg
1				5					10					15	

Phe Thr Ala Glu Glu Gly Asp Leu Gly Phe Thr Leu Arg Gly Asn Ala
 20 25 30
 Pro Val Gln Val His Phe Leu Asp Pro Tyr Cys Ser Ala Ser Val Ala
 35 40 45
 Gly Ala Arg Glu Gly Asp Tyr Ile Val Ser Ile Gln Leu Val Asp Cys
 50 55 60
 Lys Trp Leu Thr Leu Ser Glu Val Met Lys Leu Leu Lys Ser Phe Gly
 65 70 75 80
 Glu Asp Glu Ile Glu Met Lys Val Val Ser Leu Leu Asp Ser Thr Ser
 85 90 95
 Ser Met His Asn Lys Ser Ala Thr
 100

<210> 287
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 287
 Arg Gly Glu Lys Lys Asn Ser Ser Ser Gly Ile Ser Gly Ser Gln Arg
 1 5 10 15
 Arg Tyr Ile Gly Val Met Met Leu Thr Leu Ser Pro Ser Ile Leu Ala
 20 25 30
 Glu Leu Gln Leu Arg Glu Pro Ser Phe Pro Asp Val Gln His Gly Val
 35 40 45
 Leu Ile His Lys Val Ile Leu Gly Ser Pro Ala His Arg Ala Gly Leu
 50 55 60
 Arg Pro Gly Asp Val Ile Leu Ala Ile Gly Glu Gln Met Val Gln Asn
 65 70 75 80
 Ala Glu Asp Val Tyr Glu Ala Val Arg Thr Gln Ser Gln Leu Ala Val
 85 90 95
 Gln Ile Arg Arg Gly Arg Glu Thr Leu Thr Leu Tyr Val
 100 105

<210> 288
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 288
 Glu Glu Lys Thr Val Val Leu Gln Lys Lys Asp Asn Glu Gly Phe Gly
 1 5 10 15
 Phe Val Leu Arg Gly Ala Lys Ala Asp Thr Pro Ile Glu Glu Phe Thr
 20 25 30
 Pro Thr Pro Ala Phe Pro Ala Leu Gln Tyr Leu Glu Ser Val Asp Glu
 35 40 45
 Gly Gly Val Ala Trp Gln Ala Gly Leu Arg Thr Gly Asp Phe Leu Ile
 50 55 60
 Glu Val Asn Asn Glu Asn Val Val Lys Val Gly His Arg Gln Val Val
 65 70 75 80
 Asn Met Ile Arg Gln Gly Gly Asn His Leu Val Leu Lys Val Val Thr
 85 90 95
 Val Thr Arg Asn Leu Asp Pro Asp Asp Thr Ala Arg Lys Lys Ala
 100 105 110

<210> 289
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 289

Ser	Asp	Tyr	Val	Ile	Asp	Asp	Lys	Val	Ala	Val	Leu	Gln	Lys	Arg	Asp
1				5					10					15	
His	Glu	Gly	Phe	Gly	Phe	Val	Leu	Arg	Gly	Ala	Lys	Ala	Glu	Thr	Pro
			20					25					30		
Ile	Glu	Glu	Phe	Thr	Pro	Thr	Pro	Ala	Phe	Pro	Ala	Leu	Gln	Tyr	Leu
			35				40					45			
Glu	Ser	Val	Asp	Val	Glu	Gly	Val	Ala	Trp	Arg	Ala	Gly	Leu	Arg	Thr
	50					55					60				
Gly	Asp	Phe	Leu	Ile	Glu	Val	Asn	Gly	Val	Asn	Val	Val	Lys	Val	Gly
65					70				75						80
His	Lys	Gln	Val	Val	Ala	Leu	Ile	Arg	Gln	Gly	Gly	Asn	Arg	Leu	Val
			85						90					95	
Met	Lys	Val	Val	Ser	Val	Thr	Arg	Lys	Pro	Glu	Glu	Asp	Gly		
			100					105					110		

<210> 290

<211> 91

<212> PRT

<213> Homo sapiens

<400> 290

Ile	Tyr	Leu	Glu	Ala	Phe	Leu	Glu	Gly	Gly	Ala	Pro	Trp	Gly	Phe	Thr
1				5					10					15	
Leu	Lys	Gly	Gly	Leu	Glu	His	Gly	Glu	Pro	Leu	Ile	Ile	Ser	Lys	Val
			20					25					30		
Glu	Glu	Gly	Gly	Lys	Ala	Asp	Thr	Leu	Ser	Ser	Lys	Leu	Gln	Ala	Gly
			35				40					45			
Asp	Glu	Val	Val	His	Ile	Asn	Glu	Val	Thr	Leu	Ser	Ser	Ser	Arg	Lys
	50					55					60				
Glu	Ala	Val	Ser	Leu	Val	Lys	Gly	Ser	Tyr	Lys	Thr	Leu	Arg	Leu	Val
65					70				75						80
Val	Arg	Arg	Asp	Val	Cys	Thr	Asp	Pro	Gly	His					
				85					90						

<210> 291

<211> 83

<212> PRT

<213> Homo sapiens

<400> 291

Ile	Arg	Leu	Cys	Arg	Leu	Val	Arg	Gly	Glu	Gln	Gly	Tyr	Gly	Phe	His
1				5					10					15	
Leu	His	Gly	Glu	Lys	Gly	Arg	Arg	Gly	Gln	Phe	Ile	Arg	Arg	Val	Glu
			20					25					30		
Pro	Gly	Ser	Pro	Ala	Glu	Ala	Ala	Ala	Leu	Arg	Ala	Gly	Asp	Arg	Leu
			35				40					45			
Val	Glu	Val	Asn	Gly	Val	Asn	Val	Glu	Gly	Glu	Thr	His	His	Gln	Val
	50					55					60				
Val	Gln	Arg	Ile	Lys	Ala	Val	Glu	Gly	Gln	Thr	Arg	Leu	Leu	Val	Val
65					70				75						80
Asp	Gln	Asn													

<210> 292

<211> 84

<212> PRT

<213> Homo sapiens

<400> 292

```
Ile Arg His Leu Arg Lys Gly Pro Gln Gly Tyr Gly Phe Asn Leu His
 1           5           10           15
Ser Asp Lys Ser Arg Pro Gly Gln Tyr Ile Arg Ser Val Asp Pro Gly
 20           25           30
Ser Pro Ala Ala Arg Ser Gly Leu Arg Ala Gln Asp Arg Leu Ile Glu
 35           40           45
Val Asn Gly Gln Asn Val Glu Gly Leu Arg His Ala Glu Val Val Ala
 50           55           60
Ser Ile Lys Ala Arg Glu Asp Glu Ala Arg Leu Leu Val Val Asp Pro
65           70           75           80
Glu Thr Asp Glu
```

<210> 293

<211> 92

<212> PRT

<213> Homo sapiens

<400> 293

```
Pro Gly Val Arg Glu Ile His Leu Cys Lys Asp Glu Arg Gly Lys Thr
 1           5           10           15
Gly Leu Arg Leu Arg Lys Val Asp Gln Gly Leu Phe Val Gln Leu Val
 20           25           30
Gln Ala Asn Thr Pro Ala Ser Leu Val Gly Leu Arg Phe Gly Asp Gln
 35           40           45
Leu Leu Gln Ile Asp Gly Arg Asp Cys Ala Gly Trp Ser Ser His Lys
 50           55           60
Ala His Gln Val Val Lys Lys Ala Ser Gly Asp Lys Ile Val Val Val
65           70           75           80
Val Arg Asp Arg Pro Phe Gln Arg Thr Val Thr Met
 85           90
```

<210> 294

<211> 90

<212> PRT

<213> Homo sapiens

<400> 294

```
Pro Phe Gln Arg Thr Val Thr Met His Lys Asp Ser Met Gly His Val
 1           5           10           15
Gly Phe Val Ile Lys Lys Gly Lys Ile Val Ser Leu Val Lys Gly Ser
 20           25           30
Ser Ala Ala Arg Asn Gly Leu Leu Thr Asn His Tyr Val Cys Glu Val
 35           40           45
Asp Gly Gln Asn Val Ile Gly Leu Lys Asp Lys Lys Ile Met Glu Ile
 50           55           60
Leu Ala Thr Ala Gly Asn Val Val Thr Leu Thr Ile Ile Pro Ser Val
65           70           75           80
Ile Tyr Glu His Ile Val Glu Phe Ile Val
 85           90
```

<210> 295

<211> 109

<212> PRT

<213> Homo sapiens

<400> 295

Leu	Lys	Glu	Lys	Thr	Val	Leu	Leu	Gln	Lys	Lys	Asp	Ser	Glu	Gly	Phe
1				5					10					15	
Gly	Phe	Val	Leu	Arg	Gly	Ala	Lys	Ala	Gln	Thr	Pro	Ile	Glu	Glu	Phe
			20					25					30		
Thr	Pro	Thr	Pro	Ala	Phe	Pro	Ala	Leu	Gln	Tyr	Leu	Glu	Ser	Val	Asp
			35				40					45			
Glu	Gly	Gly	Val	Ala	Trp	Arg	Ala	Gly	Leu	Arg	Met	Gly	Asp	Phe	Leu
	50					55					60				
Ile	Glu	Val	Asn	Gly	Gln	Asn	Val	Val	Lys	Val	Gly	His	Arg	Gln	Val
65					70					75					80
Val	Asn	Met	Ile	Arg	Gln	Gly	Gly	Asn	Thr	Leu	Met	Val	Lys	Val	Val
				85					90					95	
Met	Val	Thr	Arg	His	Pro	Asp	Met	Asp	Glu	Ala	Val	Gln			
			100					105							

<210> 296
 <211> 88
 <212> PRT
 <213> Homo sapiens

Leu	Glu	Ile	Lys	Gln	Gly	Ile	Arg	Glu	Val	Ile	Leu	Cys	Lys	Asp	Gln
1				5					10					15	
Asp	Gly	Lys	Ile	Gly	Leu	Arg	Leu	Lys	Ser	Ile	Asp	Asn	Gly	Ile	Phe
			20					25					30		
Val	Gln	Leu	Val	Gln	Ala	Asn	Ser	Pro	Ala	Ser	Leu	Val	Gly	Leu	Arg
			35				40					45			
Phe	Gly	Asp	Gln	Val	Leu	Gln	Ile	Asn	Gly	Glu	Asn	Cys	Ala	Gly	Trp
	50					55					60				
Ser	Ser	Asp	Lys	Ala	His	Lys	Val	Leu	Lys	Gln	Ala	Phe	Gly	Glu	Lys
65					70					75					80
Ile	Thr	Met	Arg	Ile	His	Arg	Asp								
				85											

<210> 297
 <211> 75
 <212> PRT
 <213> Homo sapiens

Arg	Asp	Arg	Pro	Phe	Glu	Arg	Thr	Ile	Thr	Met	His	Lys	Asp	Ser	Thr
1				5					10					15	
Gly	His	Val	Gly	Phe	Ile	Phe	Lys	Asn	Gly	Lys	Ile	Thr	Ser	Ile	Val
			20					25					30		
Lys	Asp	Ser	Ser	Ala	Ala	Arg	Asn	Gly	Leu	Leu	Thr	Glu	His	Asn	Ile
			35				40					45			
Cys	Glu	Ile	Asn	Gly	Gln	Asn	Val	Ile	Gly	Leu	Lys	Asp	Ser	Gln	Ile
	50					55					60				
Ala	Asp	Ile	Leu	Ser	Thr	Ser	Gly	Asn	Ser	Ser					
65					70					75					

<210> 298
 <211> 94
 <212> PRT
 <213> Homo sapiens

Gln	Arg	Arg	Arg	Val	Thr	Val	Arg	Lys	Ala	Asp	Ala	Gly	Gly	Leu	Gly
1				5					10					15	

Ile	Ser	Ile	Lys	Gly	Gly	Arg	Glu	Asn	Lys	Met	Pro	Ile	Leu	Ile	Ser
			20					25					30		
Lys	Ile	Phe	Lys	Gly	Leu	Ala	Ala	Asp	Gln	Thr	Glu	Ala	Leu	Phe	Val
		35					40					45			
Gly	Asp	Ala	Ile	Leu	Ser	Val	Asn	Gly	Glu	Asp	Leu	Ser	Ser	Ala	Thr
		50				55					60				
His	Asp	Glu	Ala	Val	Gln	Val	Leu	Lys	Lys	Thr	Gly	Lys	Glu	Val	Val
65					70					75					80
Leu	Glu	Val	Lys	Tyr	Met	Lys	Asp	Val	Ser	Pro	Tyr	Phe	Lys		
			85						90						

<210> 299
 <211> 89
 <212> PRT
 <213> Homo sapiens

Ile	Arg	Val	Val	Lys	Gln	Glu	Ala	Gly	Gly	Leu	Gly	Ile	Ser	Ile	Lys
1				5					10					15	
Gly	Gly	Arg	Glu	Asn	Arg	Met	Pro	Ile	Leu	Ile	Ser	Lys	Ile	Phe	Pro
			20				25						30		
Gly	Leu	Ala	Ala	Asp	Gln	Ser	Arg	Ala	Leu	Arg	Leu	Gly	Asp	Ala	Ile
		35					40					45			
Leu	Ser	Val	Asn	Gly	Thr	Asp	Leu	Arg	Gln	Ala	Thr	His	Asp	Gln	Ala
		50				55					60				
Val	Gln	Ala	Leu	Lys	Arg	Ala	Gly	Lys	Glu	Val	Leu	Leu	Glu	Val	Lys
65					70					75					80
Phe	Ile	Arg	Glu	Phe	Ile	Val	Thr	Asp							
				85											

<210> 300
 <211> 101
 <212> PRT
 <213> Homo sapiens

Glu	Pro	Phe	Tyr	Ser	Gly	Glu	Arg	Thr	Val	Thr	Ile	Arg	Arg	Gln	Thr
1				5					10					15	
Val	Gly	Gly	Phe	Gly	Leu	Ser	Ile	Lys	Gly	Gly	Ala	Glu	His	Asn	Ile
			20					25					30		
Pro	Val	Val	Val	Ser	Lys	Ile	Ser	Lys	Glu	Gln	Arg	Ala	Glu	Leu	Ser
		35					40					45			
Gly	Leu	Leu	Phe	Ile	Gly	Asp	Ala	Ile	Leu	Gln	Ile	Asn	Gly	Ile	Asn
		50				55					60				
Val	Arg	Lys	Cys	Arg	His	Glu	Glu	Val	Val	Gln	Val	Leu	Arg	Asn	Ala
65					70					75					80
Gly	Glu	Glu	Val	Thr	Leu	Thr	Val	Ser	Phe	Leu	Lys	Arg	Ala	Pro	Ala
				85					90					95	
Phe	Leu	Lys	Leu	Pro											
			100												

<210> 301
 <211> 99
 <212> PRT
 <213> Homo sapiens

Ser	His	Gln	Gly	Arg	Asn	Arg	Arg	Thr	Val	Thr	Leu	Arg	Arg	Gln	Pro
1				5					10					15	

Val	Gly	Gly	Leu	Gly	Leu	Ser	Ile	Lys	Gly	Gly	Ser	Glu	His	Asn	Val
			20					25					30		
Pro	Val	Val	Ile	Ser	Lys	Ile	Phe	Glu	Asp	Gln	Ala	Ala	Asp	Gln	Thr
		35					40					45			
Gly	Met	Leu	Phe	Val	Gly	Asp	Ala	Val	Leu	Gln	Val	Asn	Gly	Ile	His
	50					55					60				
Val	Glu	Asn	Ala	Thr	His	Glu	Glu	Val	Val	His	Leu	Leu	Arg	Asn	Ala
65					70					75					80
Gly	Asp	Glu	Val	Thr	Ile	Thr	Val	Glu	Tyr	Leu	Arg	Glu	Ala	Pro	Ala
				85					90					95	
Phe	Leu	Lys													

<210> 302
 <211> 91
 <212> PRT
 <213> Homo sapiens

Arg	Gly	Glu	Thr	Lys	Glu	Val	Glu	Val	Thr	Lys	Thr	Glu	Asp	Ala	Leu
1				5					10					15	
Gly	Leu	Thr	Ile	Thr	Asp	Asn	Gly	Ala	Gly	Tyr	Ala	Phe	Ile	Lys	Arg
			20					25					30		
Ile	Lys	Glu	Gly	Ser	Ile	Ile	Asn	Arg	Ile	Glu	Ala	Val	Cys	Val	Gly
		35					40					45			
Asp	Ser	Ile	Glu	Ala	Ile	Asn	Asp	His	Ser	Ile	Val	Gly	Cys	Arg	His
	50					55					60				
Tyr	Glu	Val	Ala	Lys	Met	Leu	Arg	Glu	Leu	Pro	Lys	Ser	Gln	Pro	Phe
65					70					75					80
Thr	Leu	Arg	Leu	Val	Gln	Pro	Lys	Arg	Ala	Phe					
				85					90						

<210> 303
 <211> 88
 <212> PRT
 <213> Homo sapiens

His	Ser	Ile	His	Ile	Glu	Lys	Ser	Asp	Thr	Ala	Ala	Asp	Thr	Tyr	Gly
1				5					10					15	
Phe	Ser	Leu	Ser	Ser	Val	Glu	Glu	Asp	Gly	Ile	Arg	Arg	Leu	Tyr	Val
			20					25					30		
Asn	Ser	Val	Lys	Glu	Thr	Gly	Leu	Ala	Ser	Lys	Lys	Gly	Leu	Lys	Ala
		35					40					45			
Gly	Asp	Glu	Ile	Leu	Glu	Ile	Asn	Asn	Arg	Ala	Ala	Asp	Ala	Leu	Asn
	50					55					60				
Ser	Ser	Met	Leu	Lys	Asp	Phe	Leu	Ser	Gln	Pro	Ser	Leu	Gly	Leu	Leu
65					70					75					80
Val	Arg	Thr	Tyr	Pro	Glu	Leu	Glu								
					85										

<210> 304
 <211> 97
 <212> PRT
 <213> Homo sapiens

Pro	Leu	Asn	Val	Tyr	Asp	Val	Gln	Leu	Thr	Lys	Thr	Gly	Ser	Val	Cys
1				5					10					15	

Asp	Phe	Gly	Phe	Ala	Val	Thr	Ala	Gln	Val	Asp	Glu	Arg	Gln	His	Leu
			20					25					30		
Ser	Arg	Ile	Phe	Ile	Ser	Asp	Val	Leu	Pro	Asp	Gly	Leu	Ala	Tyr	Gly
		35					40					45			
Glu	Gly	Leu	Arg	Lys	Gly	Asn	Glu	Ile	Met	Thr	Leu	Asn	Gly	Glu	Ala
		50				55					60				
Val	Ser	Asp	Leu	Asp	Leu	Lys	Gln	Met	Glu	Ala	Leu	Phe	Ser	Glu	Lys
65					70					75					80
Ser	Val	Gly	Leu	Thr	Leu	Ile	Ala	Arg	Pro	Pro	Asp	Thr	Lys	Ala	Thr
				85					90					95	

Leu

<210> 305
 <211> 103
 <212> PRT
 <213> Homo sapiens

Gln	Arg	Val	Glu	Ile	His	Lys	Leu	Arg	Gln	Gly	Glu	Asn	Leu	Ile	Leu
1				5					10					15	
Gly	Phe	Ser	Ile	Gly	Gly	Gly	Ile	Asp	Gln	Asp	Pro	Ser	Gln	Asn	Pro
			20					25					30		
Phe	Ser	Glu	Asp	Lys	Thr	Asp	Lys	Gly	Ile	Tyr	Val	Thr	Arg	Val	Ser
		35					40					45			
Glu	Gly	Gly	Pro	Ala	Glu	Ile	Ala	Gly	Leu	Gln	Ile	Gly	Asp	Lys	Ile
		50				55					60				
Met	Gln	Val	Asn	Gly	Trp	Asp	Met	Thr	Met	Val	Thr	His	Asp	Gln	Ala
65					70					75					80
Arg	Lys	Arg	Leu	Thr	Lys	Arg	Ser	Glu	Glu	Val	Val	Arg	Leu	Leu	Val
				85					90					95	

Thr Arg Gln Ser Leu Gln Lys
 100

<210> 306
 <211> 86
 <212> PRT
 <213> Homo sapiens

Arg	Lys	Glu	Val	Glu	Val	Phe	Lys	Ser	Glu	Asp	Ala	Leu	Gly	Leu	Thr
1				5					10					15	
Ile	Thr	Asp	Asn	Gly	Ala	Gly	Tyr	Ala	Phe	Ile	Lys	Arg	Ile	Lys	Glu
			20					25					30		
Gly	Ser	Val	Ile	Asp	His	Ile	His	Leu	Ile	Ser	Val	Gly	Asp	Met	Ile
		35					40					45			
Glu	Ala	Ile	Asn	Gly	Gln	Ser	Leu	Leu	Gly	Cys	Arg	His	Tyr	Glu	Val
		50				55					60				
Ala	Arg	Leu	Leu	Lys	Glu	Leu	Pro	Arg	Gly	Arg	Thr	Phe	Thr	Leu	Lys
65					70					75					80

Leu Thr Glu Pro Arg Lys
 85

<210> 307
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 307

His	Ser	His	Pro	Arg	Val	Val	Glu	Leu	Pro	Lys	Thr	Asp	Glu	Gly	Leu
1				5					10					15	
Gly	Phe	Asn	Val	Met	Gly	Gly	Lys	Glu	Gln	Asn	Ser	Pro	Ile	Tyr	Ile
			20					25					30		
Ser	Arg	Ile	Ile	Pro	Gly	Gly	Val	Ala	Glu	Arg	His	Gly	Gly	Leu	Lys
			35				40					45			
Arg	Gly	Asp	Gln	Leu	Leu	Ser	Val	Asn	Gly	Val	Ser	Val	Glu	Gly	Glu
			50			55					60				
His	His	Glu	Lys	Ala	Val	Glu	Leu	Leu	Lys	Ala	Ala	Lys	Asp	Ser	Val
65					70					75					80
Lys	Leu	Val	Val	Arg	Tyr	Thr	Pro	Lys	Val	Leu					
				85					90						

<210> 308
 <211> 96
 <212> PRT
 <213> Homo sapiens

Ile	Ser	Asn	Gln	Lys	Arg	Gly	Val	Lys	Val	Leu	Lys	Gln	Glu	Leu	Gly
1				5					10					15	
Gly	Leu	Gly	Ile	Ser	Ile	Lys	Gly	Gly	Lys	Glu	Asn	Lys	Met	Pro	Ile
			20					25					30		
Leu	Ile	Ser	Lys	Ile	Phe	Lys	Gly	Leu	Ala	Ala	Asp	Gln	Thr	Gln	Ala
			35				40					45			
Leu	Tyr	Val	Gly	Asp	Ala	Ile	Leu	Ser	Val	Asn	Gly	Ala	Asp	Leu	Arg
			50			55					60				
Asp	Ala	Thr	His	Asp	Glu	Ala	Val	Gln	Ala	Leu	Lys	Arg	Ala	Gly	Lys
65					70					75					80
Glu	Val	Leu	Leu	Glu	Val	Lys	Tyr	Met	Arg	Glu	Ala	Thr	Pro	Tyr	Val
				85					90					95	

<210> 309
 <211> 110
 <212> PRT
 <213> Homo sapiens

Ile	His	Phe	Ser	Asn	Ser	Glu	Asn	Cys	Lys	Glu	Leu	Gln	Leu	Glu	Lys
1				5					10					15	
His	Lys	Gly	Glu	Ile	Leu	Gly	Val	Val	Val	Glu	Ser	Gly	Trp	Gly	
			20					25					30		
Ser	Ile	Leu	Pro	Thr	Val	Ile	Leu	Ala	Asn	Met	Met	Asn	Gly	Gly	Pro
			35				40					45			
Ala	Ala	Arg	Ser	Gly	Lys	Leu	Ser	Ile	Gly	Asp	Gln	Ile	Met	Ser	Ile
			50			55					60				
Asn	Gly	Thr	Ser	Leu	Val	Gly	Leu	Pro	Leu	Ala	Thr	Cys	Gln	Gly	Ile
65					70					75					80
Ile	Lys	Gly	Leu	Lys	Asn	Gln	Thr	Gln	Val	Lys	Leu	Asn	Ile	Val	Ser
				85					90					95	
Cys	Pro	Pro	Val	Thr	Thr	Val	Leu	Ile	Lys	Arg	Asn	Ser	Ser		
			100					105					110		

<210> 310
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 310

Ile	Pro	Pro	Val	Thr	Thr	Val	Leu	Ile	Lys	Arg	Pro	Asp	Leu	Lys	Tyr
1				5					10					15	
Gln	Leu	Gly	Phe	Ser	Val	Gln	Asn	Gly	Ile	Ile	Cys	Ser	Leu	Met	Arg
			20					25					30		
Gly	Gly	Ile	Ala	Glu	Arg	Gly	Gly	Val	Arg	Val	Gly	His	Arg	Ile	Ile
		35					40					45			
Glu	Ile	Asn	Gly	Gln	Ser	Val	Val	Ala	Thr	Ala	His	Glu	Lys	Ile	Val
	50					55					60				
Gln	Ala	Leu	Ser	Asn	Ser	Val	Gly	Glu	Ile	His	Met	Lys	Thr	Met	Pro
65					70					75					80
Ala	Ala	Met	Phe	Arg	Leu	Leu	Thr	Gly	Gln	Glu	Asn	Ser	Ser		
				85					90						

<210> 311
 <211> 101
 <212> PRT
 <213> Homo sapiens

Ile	Trp	Glu	Gln	His	Thr	Val	Thr	Leu	His	Arg	Ala	Pro	Gly	Phe	Gly
1				5					10					15	
Phe	Gly	Ile	Ala	Ile	Ser	Gly	Gly	Arg	Asp	Asn	Pro	His	Phe	Gln	Ser
			20					25					30		
Gly	Glu	Thr	Ser	Ile	Val	Ile	Ser	Asp	Val	Leu	Lys	Gly	Gly	Pro	Ala
		35					40					45			
Glu	Gly	Gln	Leu	Gln	Glu	Asn	Asp	Arg	Val	Ala	Met	Val	Asn	Gly	Val
	50					55					60				
Ser	Met	Asp	Asn	Val	Glu	His	Ala	Phe	Ala	Val	Gln	Gln	Leu	Arg	Lys
65					70					75					80
Ser	Gly	Lys	Asn	Ala	Lys	Ile	Thr	Ile	Arg	Arg	Lys	Lys	Lys	Val	Gln
				85					90					95	
Ile	Pro	Asn	Ser	Ser											
				100											

<210> 312
 <211> 95
 <212> PRT
 <213> Homo sapiens

Ile	Ser	Ser	Gln	Pro	Ala	Lys	Pro	Thr	Lys	Val	Thr	Leu	Val	Lys	Ser
1				5					10					15	
Arg	Lys	Asn	Glu	Glu	Tyr	Gly	Leu	Arg	Leu	Ala	Ser	His	Ile	Phe	Val
			20					25					30		
Lys	Glu	Ile	Ser	Gln	Asp	Ser	Leu	Ala	Ala	Arg	Asp	Gly	Asn	Ile	Gln
		35					40					45			
Glu	Gly	Asp	Val	Val	Leu	Lys	Ile	Asn	Gly	Thr	Val	Thr	Glu	Asn	Met
	50					55					60				
Ser	Leu	Thr	Asp	Ala	Lys	Thr	Leu	Ile	Glu	Arg	Ser	Lys	Gly	Lys	Leu
65					70					75					80
Lys	Met	Val	Val	Gln	Arg	Asp	Arg	Ala	Thr	Leu	Leu	Asn	Ser	Ser	
				85					90					95	

<210> 313
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 313

Ile	Arg	Met	Lys	Leu	Val	Lys	Phe	Arg	Lys	Gly	Asp	Ser	Val	Gly	Leu
1			5						10					15	
Arg	Leu	Ala	Gly	Gly	Asn	Asp	Val	Gly	Ile	Phe	Val	Ala	Gly	Val	Leu
		20						25					30		
Glu	Asp	Ser	Pro	Ala	Ala	Lys	Glu	Gly	Leu	Glu	Glu	Gly	Asp	Gln	Ile
		35					40					45			
Leu	Arg	Val	Asn	Asn	Val	Asp	Phe	Thr	Asn	Ile	Ile	Arg	Glu	Glu	Ala
		50				55					60				
Val	Leu	Phe	Leu	Leu	Asp	Leu	Pro	Lys	Gly	Glu	Glu	Val	Thr	Ile	Leu
65					70					75					80
Ala	Gln	Lys	Lys	Lys	Asp	Val	Phe	Ser	Asn						
			85						90						

<210> 314
 <211> 96
 <212> PRT
 <213> Homo sapiens

Leu	Ile	Trp	Glu	Gln	Tyr	Thr	Val	Thr	Leu	Gln	Lys	Asp	Ser	Lys	Arg
1				5					10					15	
Gly	Phe	Gly	Ile	Ala	Val	Ser	Gly	Gly	Arg	Asp	Asn	Pro	His	Phe	Glu
		20						25					30		
Asn	Gly	Glu	Thr	Ser	Ile	Val	Ile	Ser	Asp	Val	Leu	Pro	Gly	Gly	Pro
		35					40					45			
Ala	Asp	Gly	Leu	Leu	Gln	Glu	Asn	Asp	Arg	Val	Val	Met	Val	Asn	Gly
		50				55					60				
Thr	Pro	Met	Glu	Asp	Val	Leu	His	Ser	Phe	Ala	Val	Gln	Gln	Leu	Arg
65					70					75					80
Lys	Ser	Gly	Lys	Val	Ala	Ala	Ile	Val	Val	Lys	Arg	Pro	Arg	Lys	Val
				85					90					95	

<210> 315
 <211> 79
 <212> PRT
 <213> Homo sapiens

Arg	Val	Leu	Leu	Met	Lys	Ser	Arg	Ala	Asn	Glu	Glu	Tyr	Gly	Leu	Arg
1				5					10					15	
Leu	Gly	Ser	Gln	Ile	Phe	Val	Lys	Glu	Met	Thr	Arg	Thr	Gly	Leu	Ala
		20						25					30		
Thr	Lys	Asp	Gly	Asn	Leu	His	Glu	Gly	Asp	Ile	Ile	Leu	Lys	Ile	Asn
		35					40					45			
Gly	Thr	Val	Thr	Glu	Asn	Met	Ser	Leu	Thr	Asp	Ala	Arg	Lys	Leu	Ile
		50				55					60				
Glu	Lys	Ser	Arg	Gly	Lys	Leu	Gln	Leu	Val	Val	Leu	Arg	Asp	Ser	
65					70					75					

<210> 316
 <211> 90
 <212> PRT
 <213> Homo sapiens

His	Ala	Pro	Asn	Thr	Lys	Met	Val	Arg	Phe	Lys	Lys	Gly	Asp	Ser	Val
1				5					10					15	
Gly	Leu	Arg	Leu	Ala	Gly	Gly	Asn	Asp	Val	Gly	Ile	Phe	Val	Ala	Gly
		20						25					30		

Ile	Gln	Glu	Gly	Thr	Ser	Ala	Glu	Gln	Glu	Gly	Leu	Gln	Glu	Gly	Asp
	35						40					45			
Gln	Ile	Leu	Lys	Val	Asn	Thr	Gln	Asp	Phe	Arg	Gly	Leu	Val	Arg	Glu
	50					55					60				
Asp	Ala	Val	Leu	Tyr	Leu	Leu	Glu	Ile	Pro	Lys	Gly	Glu	Met	Val	Thr
65					70					75					80
Ile	Leu	Ala	Gln	Ser	Arg	Ala	Asp	Val	Tyr						
			85						90						

<210> 317
 <211> 106
 <212> PRT
 <213> Homo sapiens

Ile	Pro	Gly	Asn	Ser	Thr	Ile	Trp	Glu	Gln	His	Thr	Ala	Thr	Leu	Ser
1				5					10					15	
Lys	Asp	Pro	Arg	Arg	Gly	Phe	Gly	Ile	Ala	Ile	Ser	Gly	Gly	Arg	Asp
			20					25					30		
Arg	Pro	Gly	Gly	Ser	Met	Val	Val	Ser	Asp	Val	Val	Pro	Gly	Gly	Pro
		35					40					45			
Ala	Glu	Gly	Arg	Leu	Gln	Thr	Gly	Asp	His	Ile	Val	Met	Val	Asn	Gly
	50					55					60				
Val	Ser	Met	Glu	Asn	Ala	Thr	Ser	Ala	Phe	Ala	Ile	Gln	Ile	Leu	Lys
65					70					75					80
Thr	Cys	Thr	Lys	Met	Ala	Asn	Ile	Thr	Val	Lys	Arg	Pro	Arg	Arg	Ile
				85					90					95	
His	Leu	Pro	Ala	Glu	Phe	Ile	Val	Thr	Asp						
			100						105						

<210> 318
 <211> 98
 <212> PRT
 <213> Homo sapiens

Gln	Asp	Val	Gln	Met	Lys	Pro	Val	Lys	Ser	Val	Leu	Val	Lys	Arg	Arg
1				5					10					15	
Asp	Ser	Glu	Glu	Phe	Gly	Val	Lys	Leu	Gly	Ser	Gln	Ile	Phe	Ile	Lys
			20					25					30		
His	Ile	Thr	Asp	Ser	Gly	Leu	Ala	Arg	His	Arg	Gly	Leu	Gln	Glu	
		35					40				45				
Gly	Asp	Leu	Ile	Leu	Gln	Ile	Asn	Gly	Val	Ser	Ser	Gln	Asn	Leu	Ser
	50					55					60				
Leu	Asn	Asp	Thr	Arg	Arg	Leu	Ile	Glu	Lys	Ser	Glu	Gly	Lys	Leu	Ser
65					70					75					80
Leu	Leu	Val	Leu	Arg	Asp	Arg	Gly	Gln	Phe	Leu	Val	Asn	Ile	Pro	Asn
				85					90					95	
Ser	Ser														

<210> 319
 <211> 104
 <212> PRT
 <213> Homo sapiens

Arg	Gly	Tyr	Ser	Pro	Asp	Thr	Arg	Val	Val	Arg	Phe	Leu	Lys	Gly	Lys
1				5					10					15	

92

Ser Ile Gly Leu Arg Leu Ala Gly Gly Asn Asp Val Gly Ile Phe Val
20 25 30
Ser Gly Val Gln Ala Gly Ser Pro Ala Asp Gly Gln Gly Ile Gln Glu
35 40 45
Gly Asp Gln Ile Leu Gln Val Asn Asp Val Pro Phe Gln Asn Leu Thr
50 55 60
Arg Glu Glu Ala Val Gln Phe Leu Leu Gly Leu Pro Pro Gly Glu Glu
65 70 75 80
Met Glu Leu Val Thr Gln Arg Lys Gln Asp Ile Phe Trp Lys Met Val
85 90 95
Gln Ser Glu Phe Ile Val Thr Asp
100

<210> 320
<211> 72
<212> PRT
<213> Homo sapiens

<400> 320
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 321
<211> 76
<212> PRT
<213> Homo sapiens

<400> 321
Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr
1 5 10 15
Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu
20 25 30
Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp
35 40 45
Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His Thr His Ala
50 55 60
Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly
65 70 75

<210> 322
<211> 85
<212> PRT
<213> Homo sapiens

<400> 322
Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr
1 5 10 15
Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu
20 25 30
Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp
35 40 45

Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His Thr His Ala
 50 55 60
 Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala Ser Val Asp
 65 70 75 80
 Leu Glu Leu Cys Arg
 85

<210> 323
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 323
 Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro
 1 5 10 15
 Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala
 20 25 30
 Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp
 35 40 45
 Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln
 50 55 60
 Ser Ile Pro Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg
 65 70 75

<210> 324
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 324
 Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr
 1 5 10 15
 Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu
 20 25 30
 Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp
 35 40 45
 Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His Thr His Ala
 50 55 60
 Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala Ser Val Asp
 65 70 75 80
 Leu Glu Leu Cys Arg Gly Tyr Pro
 85

<210> 325
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 325
 Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe
 1 5 10 15
 Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile
 20 25 30
 Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu
 35 40 45
 Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His
 50 55 60
 Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala
 65 70 75 80

Ser Val Asp Leu Glu Leu Cys Arg
85

<210> 326
<211> 81
<212> PRT
<213> Homo sapiens

<400> 326
Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe
1 5 10 15
Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile
20 25 30
Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu
35 40 45
Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His
50 55 60
Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala
65 70 75 80
Ser

<210> 327
<211> 94
<212> PRT
<213> Homo sapiens

<400> 327
Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg
1 5 10 15
Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu
20 25 30
Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys
35 40 45
Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu
50 55 60
Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile
65 70 75 80
Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu
85 90

<210> 328
<211> 99
<212> PRT
<213> Homo sapiens

<400> 328
Ser Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser
1 5 10 15
Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe
20 25 30
Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly
35 40 45
Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val
50 55 60
Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro
65 70 75 80
Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu Pro
85 90 95
95

Phe Asp Pro

<210> 329

<211> 72

<212> PRT

<213> Homo sapiens

<400> 329

Arg	Lys	Ser	Ala	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
			20					25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
		35					40					45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55						60			
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 330

<211> 72

<212> PRT

<213> Homo sapiens

<400> 330

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Glu	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
			20					25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
		35					40					45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55						60			
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 331

<211> 72

<212> PRT

<213> Homo sapiens

<400> 331

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Leu	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
			20					25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
		35					40					45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55						60			
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 332

<211> 72

<212> PRT

<213> Homo sapiens

<400> 332

```
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1          5          10          15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20          25          30
Ser Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35          40          45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50          55          60
Gln Ser Ile Pro Ile Gly Ala Ser
65          70
```

<210> 333

<211> 72

<212> PRT

<213> Homo sapiens

<400> 333

```
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1          5          10          15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20          25          30
Ala Leu Asp Gly Arg Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35          40          45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50          55          60
Gln Ser Ile Pro Ile Gly Ala Ser
65          70
```

<210> 334

<211> 72

<212> PRT

<213> Homo sapiens

<400> 334

```
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1          5          10          15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20          25          30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ala Val Asn
 35          40          45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50          55          60
Gln Ser Ile Pro Ile Gly Ala Ser
65          70
```

<210> 335

<211> 72

<212> PRT

<213> Homo sapiens

<400> 335

```
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1          5          10          15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20          25          30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35          40          45
```

Glu Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 336
<211> 72
<212> PRT
<213> Homo sapiens

<400> 336
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Leu Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 337
<211> 72
<212> PRT
<213> Homo sapiens

<400> 337
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ser Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 338
<211> 72
<212> PRT
<213> Homo sapiens

<400> 338
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Leu Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 339
<211> 72

<212> PRT
 <213> Homo sapiens

<400> 339
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ser Ser
 65 70

<210> 340
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 340
 Arg Lys Ser Thr Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ser
 65 70

<210> 341
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 341
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Gly Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ser
 65 70

<210> 342
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 342
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Ala Leu Asp Gly Pro Ala
 20 25 30

Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 343
<211> 72
<212> PRT
<213> Homo sapiens

<400> 343
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Ala Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 344
<211> 72
<212> PRT
<213> Homo sapiens

<400> 344
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Ala Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 345
<211> 72
<212> PRT
<213> Homo sapiens

<400> 345
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Ala Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 346
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 346
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Ala Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ser
 65 70

<210> 347
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 347
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Ala Ile Gly Ala Ser
 65 70

<210> 348
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 348
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ala
 65 70

<210> 349
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 349
 Arg Lys Ser Ser Ser Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15

Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
		20						25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
		35					40					45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55					60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 350
 <211> 72
 <212> PRT
 <213> Homo sapiens

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Leu	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
		20						25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
		35					40					45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55					60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 351
 <211> 72
 <212> PRT
 <213> Homo sapiens

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Thr	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
		20						25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
		35					40					45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55					60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 352
 <211> 72
 <212> PRT
 <213> Homo sapiens

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
		20						25					30		
Gly	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
		35					40					45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55					60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 353
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 353
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Ser Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ser
 65 70

<210> 354
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 354
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Lys
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ser
 65 70

<210> 355
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 355
 Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Phe His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ser
 65 70

<210> 356
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Gln	Ser	Ile	Pro	Ile	Ser	Ala	Ser								
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